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DATE: June 1976

PUBLICATION CHANGE

THE FOLLOWING CHANGES APPLY TO PUBLICATION: Space Shuttle Data Report

TITLE: RESULTS OF A PRESSURE LOADS INVESTIGATION ON A 0.030-SCALE MODEL

(47-OTS) OF THE INTEGRATED SPACE SHUTTLE VEHICLE CONFIGURATION 5 IN THE NASA

AMES RESEARCH CENTER 11x11 FOOT LEG OF THE UNITARY PLAN WIND TUNNEL (IA81A)

NUMBER: DMS-DR-2169 DATE: November 1975 BRANCH: DATAMAN

NASA CR-141,836, Volume 1 N76-15246
NASA CR-141,837, Volume 2 N76-15247
NASA CR-141,838, Volume 3 N76-15248
NASA CR-141,839, Volume 4 N76-15249
NASA CR-141,840, Volume 5 N76-15250
NASA CR-141,841, Volume 6 N76-15251
NASA CR-141,842, Volume 7 N76-15252

Subsequent to publication, the following errors were discovered in the documented pressure tap locations:

- 1) In table IV, the wing station corresponding to $\eta = 0.673$ was erroneously stated as $Y_0 = 300$ instead of $Y_0 = 315$.

(Continued on next page)

Prepared by: G. W. Klug, H. C. Zimmerle

Reviewed by: D. E. Poucher

Approved: J. L. Glynn
J. L. Glynn, Manager
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PAGE 1 OF 2

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SPACE DIVISION  CHRYSLER
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June 1976

PUBLICATION CHANGE (Concluded)

DMS-DR-2169

- 2) In table IV and all plotted and tabulated left wing pressure data, tap locations given as $\eta = 0.673$, $x/c \geq 0.775$ should be $\eta = 0.641$ at the same chordwise locations.
- 3) In table VI, spanwise tap locations given as $\eta_v = 0.153, 0.316, 0.600, 0.840$, should be $0.158, 0.317, 0.602, 0.839$, respectively.
- 4) In table VIII, the stated values of SRB axial coordinates X_s and X_s/l_s are erroneous for tap numbers 909-932; tap numbers 870, 882, and 901-908 were deleted from the test but erroneously included in the table.

This publication change presents tables IV, VI, and VIII as revised from the subject publication. Users of the tabulated or plotted pressure data for the left wing should refer to the revised table IV for the correct pressure tap locations.

ORBITER LEFT WING PRESSURE TAP NUMBERS		NO. 2 TAPS
2	110	9 9
2	110	0
2	140	13 34
2	140	12
2	170	14 61
2	170	13
2	200	14 89
2	200	14
2	230	14 116
2	230	13
2	300	3 123
2	300	4
2	315	9 140
2	315	8
2	365	10 159
2	365	9
2	405	10 179
2	405	10
2	435	8 194
2	435	7
2	465	2 196
2	465	

ORBITER RIGHT WING PRESSURE TAP NUMBERS												NC	Σ		
η γc												TMS	TMS		
.235	110	γc	0	.041	.113	.247	.425	.547	.638	.727	.793				
		TOP	404	405	406	407	405	409	410	411	412		9	205	
		BOT	-	-	-	-	-	-	-	-	-		0		
.344	170	γc	0	.010	.022	.040	.056	.163	.246	.350	.637	.718			
		TOP	413	414	415	416	-	417	418	419	420	421		9	222
		BOT	-	422	423	424	425	426	427	428	-	429		8	

TABLE V. ORBITER FUSELAGE PRESSURE TAP NUMBERS

WEN FIVE LOC. - 25-

ORBITER X ₀ ~ IN.			Φ RADIAL LOCATION ~ DEGREES																									
FULL	MODEL	X ₀ /L	0	20	40	55	70	90	105	110	120	135	140	150	151	156	162	165	169	174	180	305	320	340	NO TAPS	Σ TAPS		
235	7.05	0	7																						1	1		
245	7.35	.008	8					9													10				3	4		
265	7.95	.023	11	12	13	14	15	16			17			18							19	20	21	22	12	16		
295	8.85	.046	23	24	25	26	27	28			29			30							31	32	33	34	12	28		
325	9.75	.070	35	36	37	38	39	40			41			42							43	44	45	46	12	40		
380	11.40	.112	47	48	49	50	51	52			53			54							55	56	57	58	12	52		
440	13.20	.158																		59					1	53		
450	13.50	.166	60	61	62	63	64	65			66					67			68		69	70	71	72	13	66		
465	13.95	.177													73		74								2	68		
500	15.00	.204	75	76	77	78	79	80			81		82	83				84			85	86	87	88	14	82		
560	16.80	.251	89		90		91	92			93			94				95			96		97		9	91		
625	18.75	.301	98		99		100	101			102			103				104			105		106		9	100		
725	21.75	.378	107		108		109	110			111			112				113			114		115		9	109		
880	26.40	.497	116		117		118	119			120			121				122			123		124		9	118		
980	29.40	.574	125		126																		127		3	121		
1080	32.40	.652	128		129		130	131			132			133				134			135		136		9	130		
1180	35.40	.729	137		138		139	140			141			142							143		144		8	138		
1245	37.35	.779	145		146		147	148	149		150	151		152				153			154		155		11	149		
1300	39.00	.821	156		157		158	159	160		161	162		163							164		165		10	159		
1375	41.25	.879	166		167		168	169	170		171	172		173				174					175		10	169		
1430	42.30	.921	176		177		178	179	180		181	182		183				184					185		10	179		
1480	44.40	.960	186		187		188	189	190		191	192		193				194					195		10	189		
1530	45.30	.999									196	197													2	191		
1530	45.30	.999									198	199													2	193		

L. = 1297.0 IN

a. OMS POD. INSIDE

b. OMS POD. OUTSIDE

TABLE VI. ORBITER VERTICAL TAIL PRESSURE TAP
NUMBERS (LEFT SIDE ONLY)

VERTICAL			X/CV											
Zo	FULL SCALE	MODEL SCALE	η_v	0	.025	.05	.15	.30	.52	.685	.775	.90	No. TAPS	TAPS
550		16.5	.158	430	431	432	433	434	435	436	437		8	8
600		18.0	.317	438	439	440	441	442	443	444	445	446	9	17
690		20.7	.602	447	448	449	450	451	452	453	454	455	9	26
765		22.95	.839	456	457	458	459	460	461	462	463	464	9	35
792		23.76	.925	465	466	467	468	469	470	471	472	473	9	44

TABLE VII. EXTERNAL TANK PRESSURE TAP NUMBERS

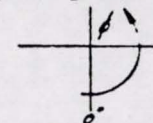
VIEW FWD LOOKING AFT



Xp ~ IN. REL. SCALE	Xpw IN. MODEL SCALE	XT/ LT	φ ~ DEGREES																	NO TAPS
			0	30	60	90	120	135	147	162	180	198	213	225	240	270	300	330		
298/329	8.937/9.251	0	474																1	
346	10.38	0.0092	475	476	477	478	479		480		481		482		483	484	485	486	12	
363	10.89	0.0184	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	16	
403	12.09	0.0400	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	16	
448	13.44	0.0644	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	16	
568	17.04	0.1296	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	16	
628	20.64	0.1944	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	16	
718	21.54	0.2106	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	16	
758	22.74	0.2323	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	16	
803	24.24	0.2594	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	16	
850	25.50	0.2821	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	16	
950	28.50	0.3362	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	16	
1050	31.50	0.3904	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	--	16	
1150	34.50	0.4445	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	16	
1250	37.50	0.4987	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	16	
1350	40.50	0.5528	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	16	
1500	45.00	0.6360	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	16	
1700	51.00	0.7423	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	16	
1900	57.00	0.8506	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	16	
2040	61.20	0.9264	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	16	
2146	64.38	0.9838	775	776	777	778	779		780		781		782		783	784	785	786	12	
STING CAVITY			787																1	
L = 1846.91 IN.																			Σ TAPS	314

TABLE VIII LEFT SRB PRESSURE TAP NUMBERS

VIEW FWD LOOKING AFT



63

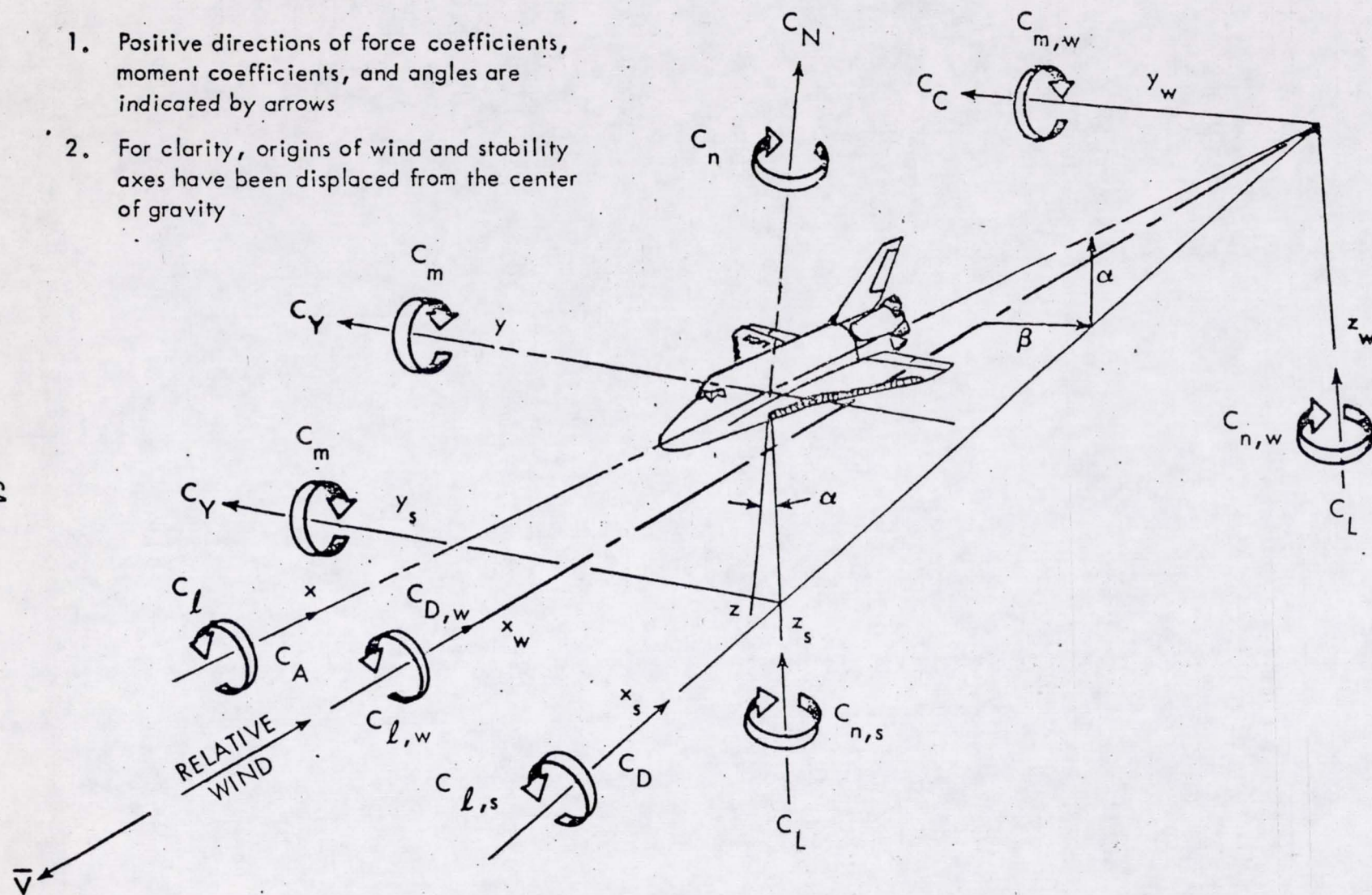
$X_3 \sim \text{IN.}$ FULL SCALE	$X_3 \sim \text{IN.}$ MODEL SCALE	X_3/L_3	$\phi \sim \text{DEGREES}$										NO. TAPS	Σ NO. TAPS
			0	45	90	135	180	225	270	315				
200	6	0	788									1	1	
260	7.8	0.0335	789	790	791	792	793	794	795	796		8	9	
370	11.1	0.0950	797	798	799	800	801	802	803	804		8	17	
400	12.0	0.1118	805	806	807	808	809	810	811	812		8	25	
450	13.5	0.1397	813	814	815	816	817	818	819	820		8	33	
550	16.5	0.1956	821	822	823	824	825	826	827	828		8	41	
700	21.0	0.2794	829	830	831	832	833	834	835	836		8	49	
850	25.5	0.3632	837	838	839	840	841	842	843	844		8	57	
1050	31.5	0.4250	845	846	847	848	849	850	851	852		8	65	
1250	37.5	0.5867	853	854	855	856	857	858	859	860		8	73	
1450	43.5	0.6985	861	862	863	864	865	866	867	868		8	81	
* 1503	45.09	0.7280	869				871		872			3	84	
* 1505	45.15	0.7290	873		874		875		876			4	88	
* 1517	45.51	0.7360	877		878		879		880			4	92	
* 1519	45.57	0.737	881				883		884			3	95	
1650	49.5	0.8102	885	886	887	888	889	890	891	892		8	103	
1750	52.5	0.8661	893	894	895	896	897	898	899	900		8	111	
* 1832.9	54.99	0.9120	909		910		911		912			4	115	
* 1833.9	55.02	0.9130	913		914		915		916			4	119	
1872.2	56.17	0.9344	917	918	919	920	921	922	923	924		8	127	
1911.7	57.35	0.9565	925	926	927	928	929	930	931	932		8	135	
SKIRT BASE			933			934			935			3	138	
NOZZLE BASE &			936									1	139	

 $L_3 = 1789.60$ IN.

* PRESSURE TAPS AT 77.5 IN. RADIUS ON THE STRUCTURAL RINGS

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



a. Forces and Moments
Figure 1. - Axis Systems.

DATE: November 1976

PUBLICATION CHANGE

THE FOLLOWING CHANGES APPLY TO PUBLICATION: Space Shuttle Data Reports

TITLE: RESULTS OF A PRESSURE LOADS INVESTIGATION ON A 0.030-SCALE MODEL
(47-OTS) OF THE INTEGRATED SPACE SHUTTLE VEHICLE CONFIGURATION 5 IN THE NASA
AMES RESEARCH CENTER 11x11 FOOT LEG OF THE UNITARY PLAN WIND TUNNEL (IA81A)

NUMBER: DMS-DR-2169 DATE: November 1975 BRANCH: DATAMAN

NASA CR-141,836, Volume 1
NASA CR-141,837, Volume 2
NASA CR-141,838, Volume 3
NASA CR-141,839, Volume 4
NASA CR-141,840, Volume 5
NASA CR-141,841, Volume 6
NASA CR-141,842, Volume 7

Subsequent to publication of the test data report, it was discovered that the correct SRB base area was 236.46 ft². Initial data reduction done at the test facility was performed using a value of 201.07 ft² as presented in the pre-test report.

This publication change presents corrected test data in the form of plotted data figures, tabulated listings and text information as presented in the data report. Additionally, CAB and CAC coefficients have been added for all balances. This publication change replaces all the force test data contained in Volumes 1 and 2.

Equations used to correct the CAB, CAF and CYNF coefficients are as follows:

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J. L. Glynn, Manager
Data Operations

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PAGE 1 OF 2

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DATE:

PUBLICATION CHANGE

THE FOLLOWING CHANGES APPLY TO PUBLICATION: Space Shuttle Data Reports

TITLE: _____

NUMBER: DMS-DR-2169 DATE: November 1975 BRANCH: DATAMAN

$$CAB_{new} = CAB_{old} * 236.46/201.07$$

$$CAF_{new} = CA - CAC - CAB_{new}$$

$$CYNF_{new} = CYNF_{old} - (CAF_{new} - CAF_{old}) * 250.5/1297.0$$

A complete list of data and page replacements follows.

All Volumes:

Page 26 AbsRB was listed as 201.07, should be 236.46.

Page 55 Max cross-sectional area listed as 201.07 full scale and 0.1809 model scale, should be 236.46 and 0.2128, respectively

Volume 1:

Data Figures 4-51, pages 1-843 replaced.

Volume 2:

Force data tabulation completely replaced, pages 1-113.

PAGE 2 OF 2

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DATA REDUCTION (Continued)

$$C_{A_{b_{SRB}}} = -C_{P_{b_{SRB}}} \frac{A_{b_{SRB}}}{S}$$

$$C_{m_{b_o}} = - \frac{x_{b_o}}{l_b} C_{N_{b_o}} + \frac{z_{b_o}}{l_b} C_{A_{b_o}}$$

$$C_{m_{bf}} = - \frac{x_{bf}}{l_b} C_{N_{bf}}$$

$$C_{N_{f_o}} = C_{N_o} - C_{N_{b_o}} - C_{N_{bf}}$$

$$C_{m_{f_o}} = C_{m_o} - C_{m_{b_o}} - C_{m_{bf}}$$

$$C_{A_{f_o}} = C_{A_o} - C_{A_{b_o}}$$

$$C_{A_{f_{ET}}} = C_{A_{ET}} - C_{A_{b_{ET}}}$$

$$C_{A_{f_{SRB}}} = C_{A_{SRB}} - C_{A_{b_{SRB}}}$$

$$A_{b_{ET}} = 597.56 \text{ ft}^2$$

$$A_{bf} = 142.6 \text{ ft}^2$$

$$A_{b_o} = 314.10 \text{ ft}^2$$

$$A_{b_{OMS}} = 122.57 \text{ ft}^2$$

DATA REDUCTION (Concluded)

$$A_{bSRB} = 236.46 \text{ ft}^2$$

$$i_{b_0} = 14.75^\circ$$

$$x_{bf} = 1329.7 \text{ in.}$$

$$x_{b_0} = 1263.0 \text{ in.}$$

$$z_{b_0} = 336.5 \text{ in.}$$

Base pressure coefficients represented the average pressure on the respective bases. Body flap pressure coefficients were as given by figure 20.

Right SRB forces and moments were calculated as a mirror image of left SRB forces and moments about $\beta = 0$:

$$\left(\begin{array}{l} \text{Coefficient on} \\ \text{Right SRB} \\ \text{at } +\beta \end{array} \right) = \left(\begin{array}{l} \text{Coefficient on} \\ \text{Left SRB} \\ \text{at } -\beta \end{array} \right)$$

Forces and moment on each component (Orbiter, ET, left SRB, and right SRB) were interpolated versus the respective angle of attack and angle of sideslip of each component to nominal angles. These data were then added to provide total integrated vehicle forces and moments.

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BOOSTER SOLID ROCKET MOTOR - S21

GENERAL DESCRIPTION : _____

MODEL SCALE: 0.030.

DRAWING NUMBER : VL72-000143D, VL77-000066

<u>DIMENSIONS :</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (Includes nozzle), In.	<u>1789.40</u>	<u>53.682</u>
Tank Diameter, In.	<u>146.00</u>	<u>4.38</u>
Aft shroud dia., In.	<u>192.00</u>	<u>5.76</u>
Fineness Ratio	<u>9.3198</u>	<u>9.3198</u>
Area - Ft ²		
Max Cross-Sectional	<u>236.46</u>	<u>0.2128</u>
Planform	_____	_____
Wetted	_____	_____
Base	_____	_____
WP of BSRM centerline (Z _T)	<u>400.0</u>	<u>1.200</u>
FS of BSRM nose (X _T)	<u>743.0</u>	<u>22.29</u>
BP of BSRM centerline (Y _T)	<u>250.5</u>	<u>7.515</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: EXTERNAL TANK - T₂₀

GENERAL DESCRIPTION: _____

NOTE: (Dimensions are to tank structural OML, TBS not included.)

MODEL SCALE: 0.030 .

DRAWING NUMBER VL72-000143D, VL78-000063

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length , In.	<u>1844.275</u>	<u>55.328</u>
Max Width Dia., In.	<u>331.00</u>	<u>9.93</u>
Max Depth	<u> </u>	<u> </u>
Fineness Ratio	<u>5.687</u>	<u>5.687</u>
Area - Ft ²		
Max Cross-Sectional	<u>594.678</u>	<u>0.053</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

November, 1975

DMS-DR-2169
NASA CR-141,840

RESULTS OF A PRESSURE LOADS INVESTIGATION ON A
0.030-SCALE MODEL (47-OTS) OF THE INTEGRATED
SPACE SHUTTLE VEHICLE CONFIGURATION 5 IN THE
NASA AMES RESEARCH CENTER 11 X 11 FOOT LEG OF THE
UNITARY PLAN WIND TUNNEL (1A81A)

VOLUME 5 OF 7

by

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Shuttle Aero Sciences
Rockwell International Space Division

Prepared under NASA Contract Number NAS9-13247

by

Data Management Services
Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: ARC 11-019-1
NASA Series Number: IA81A
Model Number: 47-OTS
Test Dates: 26 July through 8 August 1974
Occupancy Hours: 184

FACILITY COORDINATOR:

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Ames Research Center
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Data Management Services

Chrysler Corporation Space Division assumes no responsibility for the data presented other than display characteristics.

RESULTS OF A PRESSURE LOADS INVESTIGATION ON A
0.030-SCALE MODEL (47-OTS) OF THE
INTEGRATED SPACE SHUTTLE VEHICLE CONFIGURATION 5
IN THE NASA AMES RESEARCH CENTER 11 x 11 FOOT LEG OF
THE UNITARY PLAN WIND TUNNEL (IA81A)

by

E. Chee, Rockwell International Space Division

ABSTRACT

Results of wind tunnel test IA81A are presented. The model was a 0.030-scale representation of the integrated Space Shuttle Vehicle Configuration 5. Testing was conducted in the NASA Ames Research Center 11 x 11 foot leg of the Unitary Plan Wind Tunnel to investigate pressure distributions for aeroloads analyses at Mach numbers from 0.9 through 1.4. Angles of attack and sideslip were varied from -6 to +6 degrees.

This report consists of 7 volumes of force and pressure data. They are arranged in the following manner:

Volume No.	Contents
1	IA81A Plotted Force Data
2	IA81A Tabulated Force Data IA81A Plotted Pressure Data
3	IA81A Tabulated Pressure Data
	(a) orbiter fuselage pages 1-447
	(b) left vertical tail surface pages 448-615

ABSTRACT (Concluded)

Volume No.	Contents	
4	IA81A Tabulated Pressure Data	
	(a) left lower wing surface	pages 616-1254
5	IA81A Tabulated Pressure Data	
	(a) left upper wing surface	pages 1255-1940
6	IA81A Tabulated Pressure Data	
	(a) right upper wing surface	pages 1941-2179
	(b) right lower wing surface	pages 2180-2347
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- A) CAF, CNF, CLMF versus ALPHAI
CNF versus CLMF
- B) CY, CYNF, CBL versus BETAI
CY versus CYNF
CY versus CBL
- C) CHEO, CHEI versus ALPHAO
- D) CABO versus ALPHAO
- E) CABET versus ALPHAT
- F) CABSRB versus ALPHAL
- G) CABSRB versus ALPHAR
- H) CAFAFO versus MACH
- I) XAC/LV versus MACH
- J) CNALFA versus MACH
- K) YAC/LV versus MACH
- L) CYBETA versus MACH
- M) CHEO, CHEI versus MACH
- N) DCAF, DCNF, DCLMF versus MACH
- O) CP versus X/LB
- P) CP versus X/LT
- Q) CP versus X/LS
- R) CP versus X/CV
- S) CP versus X/CW

NOMENCLATURE
General

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_l - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³

Reference & C.G. Definitions

A _b		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l_{REF}}{c}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(P_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CEL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CIN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D

NOMENCLATURE (Continued)
Additions to Standard Nomenclature

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
A_{bET}		external tank base area, ft^2
A_{bf}		body flap upper surface area, ft^2
A_{bo}		Orbiter base area, ft^2
A_{bOMS}		OMS pod base area, ft^2
A_{bSRB}		SRB base area, ft^2
$C_{A_{bET}}$	CABET	external tank base axial force coefficient
$C_{A_{bo}}$	CABO	Orbiter base axial force coefficient
$C_{A_{bSRB}}$	CABSRB	SRB base axial force coefficient
$C_{A_{ET}}$		external tank total axial force coefficient
$C_{A_{fET}}$		external tank forebody axial force coefficient
$C_{A_{fo}}$		Orbiter forebody axial force coefficient
$C_{A_{fSRB}}$		SRB forebody axial force coefficient
C_{A_o}		Orbiter total axial force coefficient

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_{p_{b_{OMS}}}$		OMS pod average base pressure coefficient
$C_{p_{b_{SRB}}}$		SRB average base pressure coefficient
C_{p_i}		pressure coefficient associated with i^{th} tap
ET		external tank
i_{b_0}		Orbiter base incidence angle to a line of constant X_0 , deg.
l_b		Orbiter fuselage length, in.
MRP		moment reference point
OMS		orbital maneuvering system
RN/FT	RN/L	unit Reynolds number, million per foot
S_e		elevon surface area, ft^2
SRB		solid rocket booster
X_{bf}		longitudinal distance from MRP to bodyflap area centroid, in.
X_{b_0}		longitudinal distance from MRP to Orbiter base area centroid, in.
X/C	X/CW	chordwise location on wing
X/C_v	X/CV	chordwise location on vertical tail
X_0		Orbiter longitudinal station, in.
X_0/L_0	X/LT	location on Orbiter, fraction of Orbiter body length aft of Orbiter nose

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_{A_{SRB}}$		SRB total axial force coefficient
\bar{C}_e		elevon mean aerodynamic chord, in
$C_{h_{eI}}$	CHEI	inboard elevon hinge moment coefficient
$C_{h_{eO}}$	CHEO	outboard elevon hinge moment coefficient
$C_{m_{bf}}$	CMBF	bodyflap upper surface pitching moment coefficient
$C_{m_{bo}}$	CMBO	Orbiter base pitching moment coefficient
$C_{m_{fo}}$		Orbiter forebody pitching moment coefficient
C_{m_o}		Orbiter total pitching moment coefficient
$C_{n_{bf}}$		bodyflap upper surface normal force coefficient
$C_{N_{bo}}$		Orbiter base normal force coefficient
$C_{N_{fo}}$		Orbiter forebody normal force coefficient
C_{N_o}		Orbiter total normal force coefficient
$C_{p_{bET}}$		external tank average base pressure coefficient
$C_{p_{bf}}$		bodyflap average upper surface pressure coefficient

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_{p_{b_0}}$		Orbiter average base pressure coefficient
x_s	XS	SRB longitudinal station, in.
x_s/l_s	X/LS	location on SRB, fraction of SRB body length aft of SRB nose
x_T	XT	external tank longitudinal station, in.
x_T/l_T	X/LT	location on ET, fraction of ET body length aft of ET nose
y_o	YO	Orbiter lateral station, in.
y_s	YS	SRB lateral station, in.
y_T	YT	external tank lateral station, in.
z_{b_0}		vertical distance from MRP to Orbiter base area centroid, in.
z_o	ZO	Orbiter vertical station, in.
z_s	ZS	SRB vertical station, in
z_T	ZT	external tank vertical station, in.
α_o	ALPHAO	Orbiter angle of attack, degrees
α_{s_L}	ALPHAL	left SRB angle of attack, degrees
α_{s_R}	ALPHAR	right SRB angle of attack, degrees
α_T	ALPHAT	external tank angle of attack, degrees
β_o	BETAO	Orbiter angle of sideslip, degrees

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
β_{BL}	BETAL	left SRB angle of sideslip, degrees
β_{SR}	BETAR	right SRB angle of sideslip, degrees
β_T	BETAT	external tank angle of sideslip, degrees
δ_{ei}	ELV-IB	inboard elevon deflection angle, degrees
δ_{eo}	ELV-OB	outboard elevon deflection angle, degrees
δ_R	RUDDER	rudder deflection angle, degrees
δ_{SB}	SPDBRK	speedbrake deflection angle, degrees
η	2Y/b	spanwise station, 2Y/b
ϕ	PHI	radial location, degrees
C_{Ac}		orbiter sting cavity axial force coefficient
β_I	BETAI	integrated vehicle angle of sideslip, degrees
α_I	ALPHAI	integrated vehicle angle of attack, degrees
X/LB	X/LB	longitudinal position/body length (fuselage)
Y/BW	Y/BW	local spanwise position/wing span
Z/BV	Z/BV	local spanwise position/vertical tail span
SRM	SRM	solid rocket motor

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
C_{n_f}	CYNF	forebody yawing moment coefficient, body axis system
C_{m_f}	CLMF	forebody pitching moment coefficient
C_{N_f}	CNF	forebody normal force coefficient
$C_{A_{f0}}$	CAFAFO	forebody axial force coefficient at zero alpha
C_{N_α}	CNALFA	derivative of normal-force coefficient with respect to alpha, per degree
X_{cp}/ℓ_v	XAC/LV	vertical tail chordwise center of pressure location
Y_{cp}/ℓ_v	YAC/LV	vertical tail spanwise center of pressure location
C_{Y_β}	CYBETA	derivative of side-force coefficient with respect to beta, per degree
ΔC_{A_f}	DCAF	incremental forebody axial force coefficient
ΔC_{N_f}	DCNF	incremental forebody normal force coefficient
ΔC_{m_f}	DCLMF	incremental forebody pitching moment coefficient
CHM1	CHM1	contributions of the forward bridge to the inboard elevon hinge moment coefficient
CHM2	CHM2	contributions of the aft bridge to the inboard elevon hinge moment coefficient
CHM3	CHM3	contributions of the forward bridge to the outboard elevon hinge moment coefficient
CHM4	CHM4	contributions of the aft bridge to the outboard elevon hinge moment coefficient

NOMENCLATURE (Concluded)

Data Set Identifiers

The fourth letter of the data set identifier indicates the component,
e.g., RETT04.

Force

O	Orbiter
T	External Tank
L	Left SRB
R	Right SRB
H	Orbiter - Hinge moment
I	Integrated Vehicle

Pressure

B	Orbiter Fuselage
L	Left Wing lower surface
U	Left Wing upper surface.
W	Right Wing lower surface
R	Right Wing upper surface
V	Left Vertical Tail
S	SRM Booster
T	External Tank
C	Miscellaneous Orifices

CONFIGURATIONS INVESTIGATED

The model was a 0.030-scale representation of the Rockwell International Space Shuttle Integrated Vehicle. The Orbiter was per VL70-000140A/B lines. The external tank represented VL78-000063 lines. The solid rocket motors were per VL72-000066 lines. Figures 2a, b, and c present sketches of the model configuration. Model simulation included attach structure protuberances, fairings, fuel feed lines, vent lines, etc. (basic model construction was of ARMCO 17-4 steel).

Model forces and moments were measured by 3 Task Corporation six component balances. A 2.5 in. MK XXA was mounted in the Orbiter. A 2.0 in. MK IIIC was mounted in the external tank. A 1.5 in. MK IIC was mounted in the LH SRB. The balances are attached to stings entering each component through the base areas. Figures 2m and 2n show the balance locations in the model. The RH wing inboard and outboard elevon panels are instrumented with hinge moment gages as shown in figure 1c.

Surface and base pressures were measured on the Orbiter, external tank and solid rocket motors. The Orbiter was instrumented with a total of 480 pressure-orifices, of which 6 were base and cavity pressures. The external tank was instrumented with a total of 314 pressure orifices. The LH SRM was instrumented with a total of 149 pressure orifices. Orifice locations are presented in tables IV through VIII and figures 2d through 2 l.

The following model shorthand configuration notation was used:

LVA' = AT₂₈ thru 32 FL₁₀ FL₁₁ FR₁₀ N₈₆ O₁ PT₁₂ PT₂₂₋₂₇ S₂₁ T₂₈

CONFIGURATIONS INVESTIGATED (Concluded)

AT ₂₈ thru 32	=	Attach hardware structure
FL ₁₀	=	LH ₂ feedline
FL ₁₁	=	LO ₂ feedline
FR ₁₀	=	Umbilical door fairing
N ₈₆	=	Nozzles for solid rocket boosters
O ₁	=	B ₂₆ C ₉ E ₄₄ F ₉ M ₁₆ N ₂₈ R ₅ V ₈ W ₁₁₆
PT ₁₂	=	Lightning rod on nose of T ₂₈
PT ₂₂ thru 27	=	External protuberance
S ₂₁	=	Solid rocket boosters
T ₂₈	=	External tank

Where model dimensions are as described in table III. The LVA' configuration was tested with speed brake gap both sealed and open and with elevon gap both sealed and open. The (instrumented) right elevon gap was sealed by a permanent sponge rubber seal. The left elevon gap was sealed with plaster. Speed brake gaps were sealed by red wax.

TEST FACILITY DESCRIPTION

The Ames Research Center Unitary Plan 11 by 11 foot Transonic Wind Tunnel is a closed-circuit, air-medium, variable-density facility capable of attaining Mach numbers from 0.6 to 1.4 at Reynolds numbers from $1.7 \times 10^6/\text{ft}$ to $9.4 \times 10^6/\text{ft}$. The test section is 22 feet long, and models are installed on internal strain-gauge balances mounted to sting-type support systems.

Shadowgraph and Schlieren photographic equipment is available, and pressure transducer instrumentation is provided.

Tunnel operating temperature is 580°R. Extended high Reynolds number runs are restricted by power availability.

DATA REDUCTION

All balances data were reduced to coefficients about a moment reference point located at:

$$X_T = 976.0 \text{ in.}$$

$$Y_T = 0.0 \text{ in.}$$

$$Z_T = 400.0 \text{ in.}$$

The following reference dimensions were used:

$$S = 2690.0 \text{ ft}^2$$

$$L_b = 1297.0 \text{ in.}$$

Hinge moment data were reduced about their respective hinge lines using the following reference values:

$$S_e = 210.0 \text{ ft}^2$$

$$\bar{C}_e = 90.7 \text{ in.}$$

Base and forebody coefficients were calculated as follows:

$$C_{N_{b_o}} = -C_{P_{b_o}} \frac{A_{b_o}}{S} \tan i_{b_o} - C_{P_{bOMS}} \frac{A_{bOMS}}{S}$$

$$C_{N_{bf}} = -C_{P_{bf}} \frac{A_{bf}}{S}$$

$$C_{A_{b_o}} = -C_{P_{b_o}} \frac{A_{b_o}}{S} - C_{P_{bOMS}} \frac{A_{bOMS}}{S}$$

$$C_{A_{bET}} = -C_{P_{bET}} \frac{A_{bET}}{S}$$

DATA REDUCTION (Continued)

$$C_{A_{bSRB}} = -C_{P_{bSRB}} \frac{A_{bSRB}}{S}$$

$$C_{m_{b0}} = -\frac{x_{b0}}{l_b} C_{N_{b0}} + \frac{z_{b0}}{l_b} C_{A_{b0}}$$

$$C_{m_{bf}} = -\frac{x_{bf}}{l_b} C_{N_{bf}}$$

$$C_{N_{f0}} = C_{N_0} - C_{N_{b0}} - C_{N_{bf}}$$

$$C_{m_{f0}} = C_{m_0} - C_{m_{b0}} - C_{m_{bf}}$$

$$C_{A_{f0}} = C_{A_0} - C_{A_{b0}}$$

$$C_{A_{fET}} = C_{A_{ET}} - C_{A_{bET}}$$

$$C_{A_{fSRB}} = C_{A_{SRB}} - C_{A_{bSRB}}$$

$$A_{bET} = 597.56 \text{ ft}^2$$

$$A_{bf} = 142.6 \text{ ft}^2$$

$$A_{b0} = 314.10 \text{ ft}^2$$

$$A_{bOMS} = 122.57 \text{ ft}^2$$

DATA REDUCTION (Concluded)

$$A_{b_{SRB}} = 201.07 \text{ ft}^2$$

$$i_{b_o} = 14.75^\circ$$

$$x_{bf} = 1329.7 \text{ in.}$$

$$x_{b_o} = 1263.0 \text{ in.}$$

$$z_{b_o} = 336.5 \text{ in.}$$

Base pressure coefficients represented the average pressure on the respective bases. Body flap pressure coefficients were as given by figure 2o.

Right SRB forces and moments were calculated as a mirror image of left SRB forces and moments about $\beta = 0$:

$$\left(\begin{array}{l} \text{Coefficient on} \\ \text{Right SRB} \\ \text{at } +\beta \end{array} \right) = \left(\begin{array}{l} \text{Coefficient on} \\ \text{Left SRB} \\ \text{at } -\beta \end{array} \right)$$

Forces and moment on each component (Orbiter, ET, left SRB, and right SRB) were interpolated versus the respective angle of attack and angle of sideslip of each component to nominal angles. These data were then added to provide total integrated vehicle forces and moments.

TABLE I.

[illegible]

TABLE II.

TEST: IABIA 11-019-1		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 8-23-74							
DATA SET IDENTIFIER	CONFIGURATION	SCHD.							ALPHA ~ α										
		α	β	δ _L	δ _R	δ _{SB}	M	RN/4t	β=0	-6	-4	-2	0	2	4	6	8	10	
RETOO1	LVA' W/SB HL UNSEALED	I	O	0	0	55	1.1	3.0	1										
2	SEALD	E					0.6	3.2	2										
3		E					0.9	3.5	3										
(NOTE) 4		E					1.1	3.0	4										
(NOTE) 5		I	↓	↓		↓	1.25	2.25	5										
6	LVA' BASIC LAUNCH VEHICLE	B	B	8/4		0	0.6	↓		11	10		6		7		8	9	
7	LVA' W/ LEFT ELEVON HL UNSEALED	A	A				0.9	↓		18	17	16	12	13	14	15			
8		↓	↓				1.1	3.0					19	20	21*				
9		↓	↓				1.1	2.25		25	24	23	26	27	28	22			
10	LVA' W/ LEFT ELEVON HL SEALED	E	O				1.1	~	29										
11		A	A	↓			1.25			30	31	32	33	34	35	36			
12		A	A	8/0			1.4			43	44	45	46	47	48/50	49			
13		B	B	8/0			0.6			42	41		37		38		39	40	
14		A	A	8/4			1.4			51	52	53	54**	55	56	57			
15				8/6			0.9			65	66	67	68	69	70	71			
16				8/6			1.1			58	59	60	61	62	63	64			
17		↓	↓	10/4	↓	↓	0.9	↓		85	86	87	88	89	90	91			
SEE SUPPLEMENTARY SCHEDULE ON FOLLOWING PAGE																			
TYPE OF DATA		COEFFICIENT SCHEDULES										IDVAR (1) IDVAR (2) NDV							
α OR β		SEE PAGE 31																	
SCHEDULES																			

* RUN 21 $\beta = -6^\circ$ MISSING** RUN 48 $\alpha = 4, \beta = -6, -4, 0, 4$ *** RUN 56 $\alpha = 0, \beta = -6, -4, -2, 0, 2, 4, 6$ RUN 50 $\alpha = 4, \beta = 6$

NOTE: D/C 4 & 5 LOST DURING TEST

TABLE II (Continued)

[illegible]

TABLE II (Continued)

COMPONENT	DATASET IDENTIFIER	INDEPENDENT VARIABLES		FORCE COEFFICIENT SCHEDULE							
Orbiter	RETOXX	BETA0	ALPHA0	CNF	CLMF	CA	CY	CYNF	CBL	*CABT	CAF
External Tank	RETTXX	BETAT	ALPHAT	CNF	CLMF	CA	CY	CYNF	CBL	CABT	CAF
Left SRB	RETLXX	BETAL	ALPHAL	CNF	CLMF	CA	CY	CYNF	CBL	CABT	CAF
Hinge Moment	RETHXX	BETA0	ALPHA0	CHEI	CHEO	CHM1	CHM2	CHM3	CHM4		

* Where CABT is $C_{A_b} + C_{A_c}$ for each vehicle component.

TABLE II (Concluded)

 α or β Schedules

		Schedule <u>A</u>						
β	α	-6	-4	-2	0	2	4	6
-6		-	x	x	x	x	x	-
-4		x	x	-	x	-	x	x
-2		x	-	x	-	x	-	x
0		x	x	-	x	-	x	x
2		x	-	x	-	x	-	x
4		x	x	-	x	-	x	x
6		-	x	x	x	x	x	-

		Schedule <u>B</u>				
β	α	-4	0	4	8	10
-6			x			
-4		x	x	x		
0		x	x	x	x	x
4		x	x	x		
6			x			

		Schedule <u>G</u>				
β	α	-6	-4	0	4	6
-6				x		
-4			x	x	x	
0		x	x	x	x	x
4			x	x	x	
6				x		

Schedule C $\beta = \pm 4, 0, \alpha = \pm 4, 0$ Schedule E $\beta = 0, \alpha = -6, -4, -2, 0, 2, 4, 6$ Schedule I $\beta = 0, \alpha = -6, -4, -2, 0, 2, 4, 6, 8$

TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT₂₈

GENERAL DESCRIPTION: Rear orbiter to ET attach structure (LH and RH). 2 Members.

MODEL SCALE: 0.030

MODEL DRAWING NO.: _____

DRAWING NO.: VL78-000063, -000062B

DIMENSIONS:	MEMBER		FULL SCALE	MODEL SCALE
	#1	X _O	1317.00	39.51
		Y _O	- 96.50 (LH)	- 2.895
			96.50 (RH)	2.895
		Z _O	267.50	8.025
		X _T	2058.00	61.740
		Y _T	- 125.68 (LH)	- 3.770
			125.68 (RH)	3.770
		Z _T	515.5	15.465
	#2	X _O	1317.00	39.51
		Y _O	- 96.50 (LH)	- 2.895
			96.50 (RH)	2.895
		Z _O	267.50	8.025
		X _T	1872.00	56.160
		Y _T	-125.68 (LH)	- 3.770
			125.68 (RH)	3.770
		Z _T	504.5	15.135
Diameter, In.	#1		11.5	0.345
	#2		15.5	0.465

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT₂₉

GENERAL DESCRIPTION: Right-hand umbilical fairing to FT cross member attach structure (1 member).

MODEL SCALE: 0.030

MODEL DRAWING NO.: _____

DRAWING NO.: VL78-000062B, -Martin Marietta 82600207000

DIMENSIONS:

		FULL SCALE	MODEL SCALE
Umbilical fairing attach point:	X _O	<u>1317.00</u>	<u>39.510</u>
	Y _O	<u>66.316</u>	<u>1.989</u>
	Z _O	<u>247.182</u>	<u>7.415</u>
	X _T	<u>2058.683</u>	<u>61.740</u>
	Y _T	<u>66.316</u>	<u>1.989</u>
	Z _T	<u>583.683</u>	<u>17.510</u>
ET attach point:	X _T	<u>2058.00</u>	<u>61.740</u>
	Y _T	<u>- 12.00</u>	<u>- 0.360</u>
	Z _T	<u>568.25</u>	<u>17.048</u>
	X _O	<u>1317.00</u>	<u>39.510</u>
	Y _O	<u>- 12.00</u>	<u>- 0.36</u>
	Z _O	<u>60.75</u>	<u>1.823</u>
Attach structure dia., in.		<u>4.5</u>	<u>0.135</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₀

GENERAL DESCRIPTION: Forward SRR to ET attach structure (LH and RH).

MODEL SCALE: 0.030

DRAWING NO.: VL78-000066, Martin Marietta 82600204300

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach point	X _T	985.675	29.570
	Y _T	-172.50 (LH) 172.50 (RH)	- 5.175 5.175
	Z _T	0.0	0.0
	X _S	442.675	13.280
	Y _S	80.00	2.400
	Z _S	0.0	0.0
	X _O	244.675	7.340
	Y _O	- 184.5 (LH) 184.5 (RH)	-5.535 5.535
	Z _O	0.0	0.0

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₁

GENERAL DESCRIPTION: Rear ET to SRB attach structure (LH & RH), 3 members.

MODEL SCALE: 0.030

MODEL DRAWING: _____

DRAWING NO.: VL78-000063, -000062B, -000066

DIMENSIONS:	MEMBER		FULL SCALE	MODEL SCALE
	#1	XT	2058.00	61.74
		YT	- 171.50 (LH)	- 5.145
			171.50 (RH)	5.145
		ZT	457.00	13.710
		X _S	1511.00	45.33
		Y _S	53.24	1.597
		Z _S	57.00	1.710
	#2	XT	2058.00	61.74
		YT	- 163.58	- 4.916
		ZT	449.81	13.494
		X _S	1511.00	45.33
		Y _S	76.56	2.297
		Z _S	15.73	0.472
	#3	XT	2058.00	61.74
		YT	- 161.72	- 4.852
		ZT	343.00	10.29
		X _S	1511.00	45.33
		Y _S	53.24	1.597
		Z _S	- 57.00	- 1.710
Diameter of members, In.:	#1		_____	_____
	#2		_____	_____
	#3		_____	_____

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TABLE III.- MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT32

GENERAL DESCRIPTION: Forward orbiter/ET attach structure (2 member structure)

MODEL SCALE: 0.030

DRAWING NO.: VL78-000062B, Martin Marietta 8260020914

DIMENSIONS:	MEMBER	FULL SCALE	MODEL SCALE
	#1		
	X _O	<u>388.15</u>	<u>11.6445</u>
	Y _O	<u>0.0</u>	<u>0.0</u>
	(Attach pt on orb Z _T = 614) Z _O	<u>LWR ML</u>	<u>LWR ML</u>
	X _T	<u>1129.9</u>	<u>34.05</u>
	Y _T	<u>46.50</u>	<u>1.395</u>
	(Attach pt on tank) Z _T	<u>562.58</u>	<u>16.877</u>
	#2		
	X _O	<u>388.15</u>	<u>11.645</u>
	Y _O	<u>0.0</u>	<u>0.0</u>
	Z _O	<u>LWR ML</u>	<u>LWR ML</u>
	X _T	<u>1129.9</u>	<u>34.05</u>
	Y _T	<u>- 46.50</u>	<u>- 1.395</u>
	Z _T	<u>562.58</u>	<u>16.877</u>
Diameter, In.	#1	<u>6.0</u>	<u>0.180</u>
	#2	<u>6.0</u>	<u>0.180</u>

TABLE III.- MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - B₂₆

GENERAL DESCRIPTION : Configuration 140A/B orbiter fuselage

NOTE: B₂₆ is identical to B₂₄, except underside of fuselage has been
refaired to accept W₁₁₄.

MODEL SCALE: 0.030 MODEL DRAWING NO.: SS-A00147, Rel. 12.

DRAWING NUMBER : VI 70-000143B, -000200, -000205, -006089, -000145,
-000140A, -000140B

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OML: Fwd Sta. $X_0=235$), In.	1293.3	38.799
Length (IML: Fwd Sta. $X_0=238$), In.	1290.3	38.709
Max Width (@ $X_0 = 1528.3$), In.	264.0	7.920
Max Depth (@ $X_0 = 1464$), In.	250.00	7.500
Fineness Ratio	0.264	0.264
Area - Ft ²		
Max. Cross-Sectional	340.88	0.307
Planform		
Wetted		
Base		

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TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : CANOPY - C₉

GENERAL DESCRIPTION : Configuration 3A. Canopy used with fuselage B₂₆

MODEL SCALE: 0.030

MODEL DWG NO.: SS-A00147

DRAWING NUMBER: VL70-000143A

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length ($X_0 = 434.643$ to 578), In.	<u>143.357</u>	<u>4.301</u>
Max Width ($X_0 = 513.127$), In.	<u>152.412</u>	<u>4.572</u>
Max Depth (At $X_0 = 485.$), In.	<u>25.000</u>	<u>0.750</u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
M.c.x. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELEVON - E₄₄

GENERAL DESCRIPTION: 6.0 In. F.3. gaps machined into E₄₄ elevon. Flapper doors, centerbody pieces, and tipseals are not simulated. (Data are for one of two sides).

MODEL SCALE: 0.030

DRAWING NUMBER: Not available

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area -- Ft ²	<u>210.0</u>	<u>0.189</u>
Span (equivalent), In.	<u>349.2</u>	<u>10.476</u>
Inb'd equivalent chord, In.	<u>118.0</u>	<u>3.54</u>
Outb'd equivalent chord, In.	<u>55.19</u>	<u>1.656</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Trailing Edge	<u>- 10.056</u>	<u>- 10.056</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Product of area & c) (Normal to hingeline), Ft ³	<u>1587.25</u>	<u>0.0429</u>
Mean Aerodynamic Chord, In.	<u>90.7</u>	<u>2.721</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY FLAP - F₉

GENERAL DESCRIPTION : Configuration 140 A/B

MODEL SCALE: 0.030

DRAWING NUMBER: VL70-000140B, -000200

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (Chord), In.	<u>84.7</u>	<u>2.541</u>
Max Width , In.	<u>262.308</u>	<u>7.869</u>
Max Depth , In.	<u>23.00</u>	<u>0.690</u>
Fineness Ratio	<u></u>	<u></u>
Area - Ft ²	<u></u>	<u></u>
Max. Cross-Sectional	<u></u>	<u></u>
Planform	<u>142.60</u>	<u>0.128</u>
Wetted	<u></u>	<u></u>
Base	<u>41.90</u>	<u>0.0377</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: FEEDLINE - FI₁₀

GENERAL DESCRIPTION: LH₂ feedline on upper left-hand side of T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, -000062B

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	2071.5	62.145
	Y _T	- 70.0	- 2.100
	Z _T	573.934	17.218
Trailing edge at:	X _T	2081.80	62.454
	Y _T	- 70.00	- 2.10
	Z _T	584.059	17.522
Diameter of line (17.0 I.D.)		18.160	0.545

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TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: FEEDLINE - FL₁₁

GENERAL DESCRIPTION: LO₂ feedline on upper right-hand of T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, VL78-000062B

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1000.667</u>	<u>30.02</u>
	Y _T	<u>70.00</u>	<u>2.10</u>
	Z _T	<u>150.519</u>	<u>4.516</u>
Trailing edge at:	X _T	<u>2071.5</u>	<u>62.145</u>
	Y _T	<u>70.00</u>	<u>2.100</u>
	Z _T	<u>573.934</u>	<u>17.218</u>
Line diameter (17.0 I.D.)	(O.D.)	<u>18.16</u>	<u>0.545</u>

TABLE III. -MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: FAIRING - FR₁₀

GENERAL DESCRIPTION: Umbilical door fairing between aft ET/orbiter
attach structure.

MODEL SCALE: 0.030

DRAWING NO.: VI.78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at	2052.0	61.74
Length	193.0	5.79
Width	15.0	0.45

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TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: OMS POD - M₁₆

GENERAL DESCRIPTION: Configuration 140C orbiter OMS pod - short pod.

MODEL SCALE: 0.030.

DRAWING NUMBER VL70-008401, -008410

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (OMS Fwd Sta. $X_0=1310.5$), In.	<u>258.50</u>	<u>7.755</u>
Max Width (@ $X_0 = 1511$), In.	<u>136.8</u>	<u>4.104</u>
Max Depth (@ $X_0 = 1511$), In.	<u>74.70</u>	<u>2.241</u>
Fineness Ratio	<u>2.484</u>	<u>2.484</u>
Area - Ft ²		
Max Cross-Sectional	<u>58.864</u>	<u>0.053</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. - MODEL DIMENSIONAL DATA- Continued.

MODEL COMPONENT: OMS NOZZLES -- N28GENERAL DESCRIPTION: Configuration 140A 'S orbiter OMS NozzlesMODEL SCALE: 0.030DRAWING NUMBER: VL70-000140A (Location), SS-A00106, Rel. 5 (Contour)

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
MACH NO.		
Length - In.		
Gimbal Point to Exit Plane		
Throat to Exit Plane		
Diameter - In.		
Exit		
Throat		
Inlet		
Area - ft ²		
Exit		
Throat		
Gimbal Point (Station) - In.		
Left Upper Nozzle		
X _o	<u>1518.00</u>	<u>45.54</u>
Y _o	<u>- 88.0</u>	<u>-2.64</u>
Z _o	<u>492.00</u>	<u>14.76</u>
Right Lower Nozzle		
X _o	<u>1518.00</u>	<u>45.54</u>
Y _o	<u>88.0</u>	<u>2.64</u>
Z _o	<u>492.00</u>	<u>14.76</u>
Null Position - Deg.		
Left Upper Nozzle		
Pitch	<u>15°49'</u>	<u>15°49'</u>
Yaw	<u>12°17'</u>	<u>12°17'</u>
Right Lower Nozzle		
Pitch	<u>15°49'</u>	<u>15°49'</u>
Yaw	<u>12°17'</u>	<u>12°17'</u>

TABLE III. - MODEL DIMENSIONAL DATA - continued.

MODEL COMPONENT: BSRM NOZZLE - N86

GENERAL DESCRIPTION: Booster solid rocket motor nozzles.

MODEL SCALE: 0.030

DRAWING NO.: VL70-000066

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Diameter, D_{ex} - In. (I.D.)	144.29	4.3287
Diameter, D_{ex} - In. (O.D.)	146.79	4.4037
Diameter, DT - IN.		
Diameter, D_{in} - In.		
Area - Ft ²		
Max. Cross-sectional (I.D.)	113.553	0.102
Gimbal Origin:		
Left Nozzle		
X_o	1902.6	57.078
Y_o	-250.50	-7.515
Z_o	400.0	12.00
Right Nozzle		
X_o	1902.6	57.078
Y_o	250.50	7.515
Z_o	400.0	12.00
Null Position: (Deg.)		
Left nozzle gimbal	± 8	± 8
Right nozzle gimbal	± 8	± 8

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ET PROTUBERANCE - PT₁₂

GENERAL DESCRIPTION: Lightning rod attached to ET nose.

MODEL SCALE: 0.030

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length	30.90	0.927
Diameter - In.	3.20	0.096

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELECTRICAL LINE - PT₂₂

GENERAL DESCRIPTION: Left-hand electrical conduit line on T_{2g}.

MODEL SCALE: 0.030.

DRAWING NUMBER VL78-000063, -000062B

<u>DIMENSION:</u>		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1084.333</u>	<u>32.530</u>
	Y _T	<u>- 99.591</u>	<u>-- 2.988</u>
	Z _T	<u>-139.620</u>	<u>- 4.189</u>
Trailing edge at:	X _T	<u>2058.000</u>	<u>61.740</u>
	Y _T	<u>- 99.591</u>	<u>- 2.988</u>
	Z _T	<u>- 139.620</u>	<u>- 4.189</u>
Conduit size:		<u>2.0 x 6.0</u>	<u>0.06 x 0.18</u>
Centerline of line located radially at $\theta = 35.5$ deg.		<u> </u>	<u> </u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: LO₂ RECIRCULATION LINE - PT₂₃

GENERAL DESCRIPTION: LO₂ recirculation line on right-hand upper side
side of T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1040.667	31.220
	Y _T	94.169	2.825
	Z _T	540.934	16.228
Trailing edge at:	X _T	2062.920	61.888
	Y _T	70.000	2.100
	Z _T	573.934	17.218
Diameter of line		4.0	0.120

Centerline of line located radially at $\theta = 33^{\circ}45'$
(Right of TDC looking forward)

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: LH₂ RECIRCULATION LINE - PT₂₄

GENERAL DESCRIPTION: LH₂ recirculation line on T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: V178-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1040.667	31.220
	Y _T	- 94.169	- 2.825
	Z _T	540.934	16.228
Trailing edge at:	X _T	2062.920	61.888
	Y _T	- 70.00	-2.100
	Z _T	573.934	17.218
Diameter of line		4.00	0.120

Centerline of line located radially at $\phi = 33^{\circ}45'$
(Left of TDC looking forward)

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELECTRICAL LINE - PT₂₅

GENERAL DESCRIPTION: Right-hand aft electrical conduit line on T₂₈ with
LH₂ pressure sensor line and LOX vent valve actuator line.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207 100

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1084.333</u>	<u>32.530</u>
	Y _T	<u>99.591</u>	<u>2.988</u>
	Z _T	<u>139.620</u>	<u>4.189</u>
Trailing edge at:	X _T	<u>2058.000</u>	<u>61.74</u>
	Y _T	<u>99.591</u>	<u>2.988</u>
	Z _T	<u>139.620</u>	<u>4.189</u>
Line diameter		<u>2.0 x 6.0</u>	<u>0.06 x 0.18</u>
Centerline of line located radially at $\theta = 35.5^\circ$			

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: LO₂ PRESSURE LINE - PT₂₆

GENERAL DESCRIPTION: LO₂ pressure line on T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	360.733	10.822
	Y _T	15.145	0.454
	Z _T	407.718	12.232
Trailing edge at:	X _T	2083.5	62.505
	Y _T	63.25	1.898
	Z _T	609.00	18.27
Centerline of line located radially at $\theta = 27^\circ$			
Line diameter		2.0	0.060

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELECTRICAL LINE - PT27

GENERAL DESCRIPTION: Electrical conduit on the right-hand forward section of T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000062B

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	360.733	10.822
	Y _T	11.549	0.346
	Z _T	412.474	12.374
Trailing edge at:	X _T	876.273	26.288
	Y _T	226.114	6.783
	Z _T	646.774	19.403

Centerline of conduit located radially at $\theta = 47.5^\circ$

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TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: RUDDER - R₅

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (Identical to configuration 140A 'B' rudder).

MODEL SCALE: 0.030

DRAWING NUMBER: VI70-000146B, --000095

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>100.15</u>	<u>0.090</u>
Span (equivalent), In.	<u>201.0</u>	<u>6.03</u>
Inb'd equivalent chord, In.	<u>91.585</u>	<u>2.748</u>
Outb'd equivalent chord, In.	<u>50.833</u>	<u>1.525</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Product of area & c) (Normal to hingeline), Ft. ³	<u>610.92</u>	<u>0.016</u>
Mean Aerodynamic Chord, In.	<u>73.2</u>	<u>2.196</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: BOOSTER SOLID ROCKET MOTOR - S21

GENERAL DESCRIPTION: _____

MODEL SCALE: 0.030

DRAWING NUMBER VI.72-000143D, VI.77-000066

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (Includes nozzle), In.	1789.40	53.682
Max Width Tank Diameter, In.	146.00	4.38
Max Depth Aft shroud Dia., In.	192.00	5.76
Fineness Ratio	9.3198	9.3198
Area - Ft ²		
Max Cross-Sectional	201.062	0.1809
Planform		
Wetted		
Base		
WP of BSRM centerline (Z _T)	400.0	1.200
FS of BSRM nose (X _T)	743.0	22.29
BP of BSRM centerline (Y _T)	250.5	7.515

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TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: EXTERNAL TANK - T₂₀

GENERAL DESCRIPTION: _____

NOTE: (Dimensions are to tank structural OML, TPS not included.)

MODEL SCALE: 0.030

DRAWING NUMBER VL72-000143D, VL78-000063

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length, In.	<u>1844.275</u>	<u>55.328</u>
Max Width Dia., In.	<u>331.00</u>	<u>9.93</u>
Max Depth	<u> </u>	<u> </u>
Fineness Ratio	<u>5.687</u>	<u>5.687</u>
Area - Ft ²		
Max Cross-Sectional	<u>594.678</u>	<u>0.053</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: VERTICAL - V₈

GENERAL DESCRIPTION: Configuration 140C orbiter vertical tail (identical to configuration 140A/B vertical tail)

MODEL SCALE: 0.030

DRAWING NUMBER: VL70-000140C, -000146B

DIMENSIONS:

FULL SCALE MODEL SCALE

TOTAL DATA

Area (Theo) - Ft ²		
Planform	<u>413.253</u>	<u>0.372</u>
Span (Theo) - In.	<u>315.72</u>	<u>9.472</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.404</u>	<u>0.404</u>
Sweep-Back Angles, Degrees.		
Leading Edge	<u>45.000</u>	<u>45.000</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
0.25 Element Line	<u>41.13</u>	<u>41.13</u>
Chords:		
Root (Theo) WP	<u>268.50</u>	<u>8.055</u>
Tip (Theo) WP	<u>108.47</u>	<u>3.254</u>
MAC	<u>199.81</u>	<u>5.992</u>
Fus. Sta. of .25 MAC	<u>1463.35</u>	<u>43.901</u>
W.P. of .25 MAC	<u>635.52</u>	<u>19.066</u>
B.L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle - Deg.	<u>10.00</u>	<u>10.00</u>
Trailing Wedge Angle - Deg.	<u>14.92</u>	<u>14.92</u>
Leading Edge Radius	<u>2.00</u>	<u>0.060</u>
Void Area	<u>13.17</u>	<u>0.0019</u>
Blanketed Area	<u>0.0</u>	<u>0.0</u>

TABLE III. - MODEL DIMENSIONAL DATA - Concluded.

MODEL COMPONENT: WING-W 116

GENERAL DESCRIPTION: Configuration 4

NOTE: Identical to W₁₁₆, except airfoil thickness. Dihedral angle is along
trailing edge of wing.

MODEL SCALE: 0.030

TEST NO.

DWG. NO. VI-70-000140A, -000200

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

Area (Theo.) Ft²

Planform

2690.00

2.421

Span (Theo) In.

936.68

28.10

Aspect Ratio

2.265

2.265

Rate of Taper

1.177

1.177

Taper Ratio

0.200

0.200

Dihedral Angle, degrees

3.500

3.500

Incidence Angle, degrees

0.500

0.500

Aerodynamic Twist, degrees

3.000

3.000

Sweep Back Angles, degrees

Leading Edge

45.000

45.000

Trailing Edge

- 10.056

- 10.056

0.25 Element Line

35.209

35.209

Chords:

Root (Theo) B.P.O.O.

689.24

20.677

Tip, (Theo) B.P.

137.85

4.136

MAC

474.81

14.244

Fus. Sta. of .25 MAC

1136.83

34.105

W.P. of .25 MAC

290.58

8.717

B.L. of .25 MAC

182.13

5.464

EXPOSED DATA

Area (Theo) Ft²

1751.50

1.576

Span, (Theo) In. BP108

720.68

21.620

Aspect Ratio

2.059

2.059

Taper Ratio

0.245

0.245

Chords

Root BP108

562.09

16.863

Tip 1.00 $\frac{b}{2}$

137.85

4.136

MAC

392.83

11.785

Fus. Sta. of .25 MAC

1185.98

35.579

W.P. of .25 MAC

294.30

8.820

B.L. of .25 MAC

251.77

7.553

Airfoil Section (Rockwell Mod NASA)
XXXX-64

Root $\frac{b}{2}$ =

0.113

0.113

Tip $\frac{b}{2}$ =

0.120

0.120

Data for (1) of (2) Sides

Leading Edge Cuff

Planform Area Ft²

113.18

0.102

Leading Edge Intersects Fus M. L. @ Sta

500.0

15.00

Leading Edge Intersects Wing @ Sta

1024.00

30.72

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TABLE IV.
ORBITER WING PRESSURE TAP NUMBERS

X	Y	ORBITER LEFT WING PRESSURE TAP NUMBERS																No. Taps	Σ Taps
		X/C	0	.041	.113	.247	.429	.547	.638	.727	.793								
235	110	TOP	208	209	210	211	212	213	214	215	216							9	9
		BOT	—	—	—	—	—	—	—	—	—							0	
291	140	X/C	0	.010	.020	.050	.0940	.229	.362	.497	.700	.834	.861	.900	.945			13	34
		TOP	217	218	219	220	221	222	223	224	225	226	227	228	229			12	
		BOT	230	231	232	233	234	235	236	237	238	239	240	241					
364	170	X/C	0	.010	.020	.040	.086	.163	.246	.390	.637	.798	.899	.979	.995			14	61
		TOP	242	243	244	245	246	247	248	249	250	251	252	253	254	255		13	
		BOT	256	257	258	259	260	261	262	263	264	265	266	267	268				
427	200	X/C	0	.010	.020	.040	.0813	.177	.274	.402	.545	.760	.808	.857	.905	.953	1.000	14	89
		TOP	269	270	271	272	273	274	275	276	277	278	279	280	281	282		14	
		BOT	283	284	285	286	287	288	289	290	291	292	293	294	295	296		14	
534	250	X/C	0	.010	.020	.050	.080	.150	.250	.400	.550	.725	.775	.850	.900	.950		14	116
		TOP	297	298	299	300	301	302	303	304	305	306	307	308	309	310		13	
		BOT	311	312	313	314	315	316	317	318	319	320	321	322	323				
673	300	X/C	0	.010	.020	.050	.150	.250	.400	.550	.700	.775	.850	.950	1.000			12	140
		TOP	324	325	326	327	328	329	330	331	332	333	334	335				12	
		BOT	336	337	338	339	340	341	342	343	344	345	346	347				12	
780	365	X/C	0	.010	.020	.050	.150	.250	.400	.550	.700	.775	.850	.950				10	159
		TOP	348	349	350	351	352	353	354	355	356	357						9	
		BOT	358	359	360	361	362	363	364	365	366								
887	415	X/C	0	.010	.020	.050	.150	.250	.400	.550	.700	.775	.850	.950	1.000			10	179
		TOP	367	368	369	370	371	372	373	374	375	376						10	
		BOT	377	378	379	380	381	382	383	384	385	386							
972	455	X/C	0	.010	.020	.050	.150	.250	.400	.550	.700	.775	.850	.950				8	194
		TOP	387	388	389	390	391	392	393	394								7	
		BOT	395	396	397	398	399	400	401										
1,000	460	X	1362	1405														2	196
		TOP	402	403															
		BOT																	
X	Y	ORBITER RIGHT WING PRESSURE TAP NUMBERS																No. Taps	Σ Taps
		X/C	0	.041	.113	.247	.429	.547	.638	.727	.793								
235	110	TOP	404	405	406	407	408	409	410	411	412							11	256
		BOT																	
364	170	X/C	0	.010	.020	.040	.086	.163	.246	.390	.637							9	222
		TOP	413	414	415	416	417	418	419	420	421							9	
		BOT	422	423	424	425	426	427	428	429								9	

TABLE V. ORBITER FUSELAGE PRESSURE TAP NUMBERS

When Fwd Lateral - 50

ORBITER X ₀ - IN.			Φ RADIAL LOCATION ~ DEGREES																											
FULL	MODEL	X ₀ /L	0	20	40	55	70	90	105	110	120	135	140	150	151	156	162	165	169	174	180	305	320	340	N ₀ TAPS	Σ TAPS				
235	7.05	0	7																							1	1			
245	7.35	.008	8					9													10					3	4			
265	7.95	.023	11	12	13	14	15	16			17			18							19	20	21	22	12	16				
295	8.65	.046	23	24	25	26	27	28			29			30							31	32	33	34	12	28				
325	9.75	.070	35	36	37	38	39	40			41			42							43	44	45	46	12	40				
380	11.40	.112	47	48	49	50	51	52			53			54							55	56	57	58	12	52				
440	13.20	.158																		59					1	53				
450	13.50	.166	60	61	62	63	64	65			66					67			68		69	70	71	72	13	66				
465	13.95	.177													73		74								2	68				
500	15.00	.204	75	76	77	78	79	80			81		82	83				84			85	86	87	88	14	82				
560	16.80	.251	89		90		91	92			93			94				95			96		97		9	91				
625	18.75	.301	98		99		100	101			102			103				104			105		106		9	106				
725	21.75	.378	107		108		109	110			111			112				113			114		115		9	109				
880	26.40	.497	116		117		118	119			120			121				122			123		124		9	118				
980	29.40	.574	125		126																		127		3	121				
1080	32.40	.652	128		129		130	131			132			133				134			135		136		9	130				
1180	35.40	.729	137		138		139	140			141			142							143		144		8	138				
1245	37.35	.779	145		146		147	148	149		150	151		152				153			154		155		11	149				
1300	39.00	.821	156		157		158	159	160		161	162		163							164		165		10	159				
1375	41.25	.879	166		167		168	169	170		171	172		173				174					175		10	169				
1430	42.30	.921	176		177		178	179	180		181	182		183				184					185		10	179				
1480	44.40	.960	186		187		188	189	190		191	192		193				194					195		10	189				
1530	45.30	.999									196	197													2	191				
1580	45.40	.990									198	199													2	193				

L = 1297.0 IN.

a. OMS POD, INSIDE

b. OMS POD OUTSIDE

TABLE VI. ORBITER VERTICAL TAIL PRESSURE TAP
NUMBERS (LEFT SIDE ONLY)

Z _o	VERTICAL		η_v	X/CV									No. TAPS	TAPS
	FULL SCALE	MODEL SCALE		0	.025	.05	.15	.30	.52	.685	.775	.90		
550		16.5	.153	430	431	432	433	434	435	436	437		8	8
600		18.0	.316	438	439	440	441	442	443	444	445	446	9	17
690		20.7	.600	447	448	449	450	451	452	453	454	455	9	26
765		22.95	.840	456	457	458	459	460	461	462	463	464	9	35
792		23.76	.925	465	466	467	468	469	470	471	472	473	9	44

TABLE VII. EXTERNAL TANK PRESSURE TAP NUMBERS

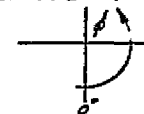
VIEW FWD LOOKING AFT



X _T ~ IN. Full Scale	X _{TN} IN. Model Scale	X _T / L _T	φ ~ Degrees																	No TAPS	
			0	30	60	90	120	135	147	162	180	198	213	225	240	270	300	330			
298/329	8.937/9.627	C	474																1		
346	10.38	0.0092	475	476	477	478	479		480		481		482		483	484	485	486	12		
363	10.89	0.0164	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	16		
403	12.09	0.0400	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	16		
448	13.46	0.0644	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	16		
568	17.04	0.1296	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	16		
688	20.64	0.1944	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	16		
718	21.54	0.2106	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	16		
758	22.74	0.2323	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	16		
805	24.24	0.2594	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	16		
850	25.50	0.2821	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	16		
950	28.50	0.3362	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	16		
1050	31.50	0.3904	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	--	16		
1150	34.50	0.4445	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	16		
1250	37.50	0.4987	679	681	681	682	683	684	685	686	687	688	689	690	691	692	693	694	16		
1350	40.50	0.5528	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	16		
1500	45.00	0.6340	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	16		
1700	51.00	0.7423	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	16		
1900	57.00	0.8506	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	16		
2040	61.20	0.9264	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	16		
2146	64.38	0.9838	775	776	777	778	779		780		781		782		783	784	785	786	12		
STING CAVITY			787																	1	
L _T = 1846.91 in.																				Σ TAPS	314

TABLE VIII LEFT SRB PRESSURE TAP NUMBERS

VIEW FROM LOOKING AFT



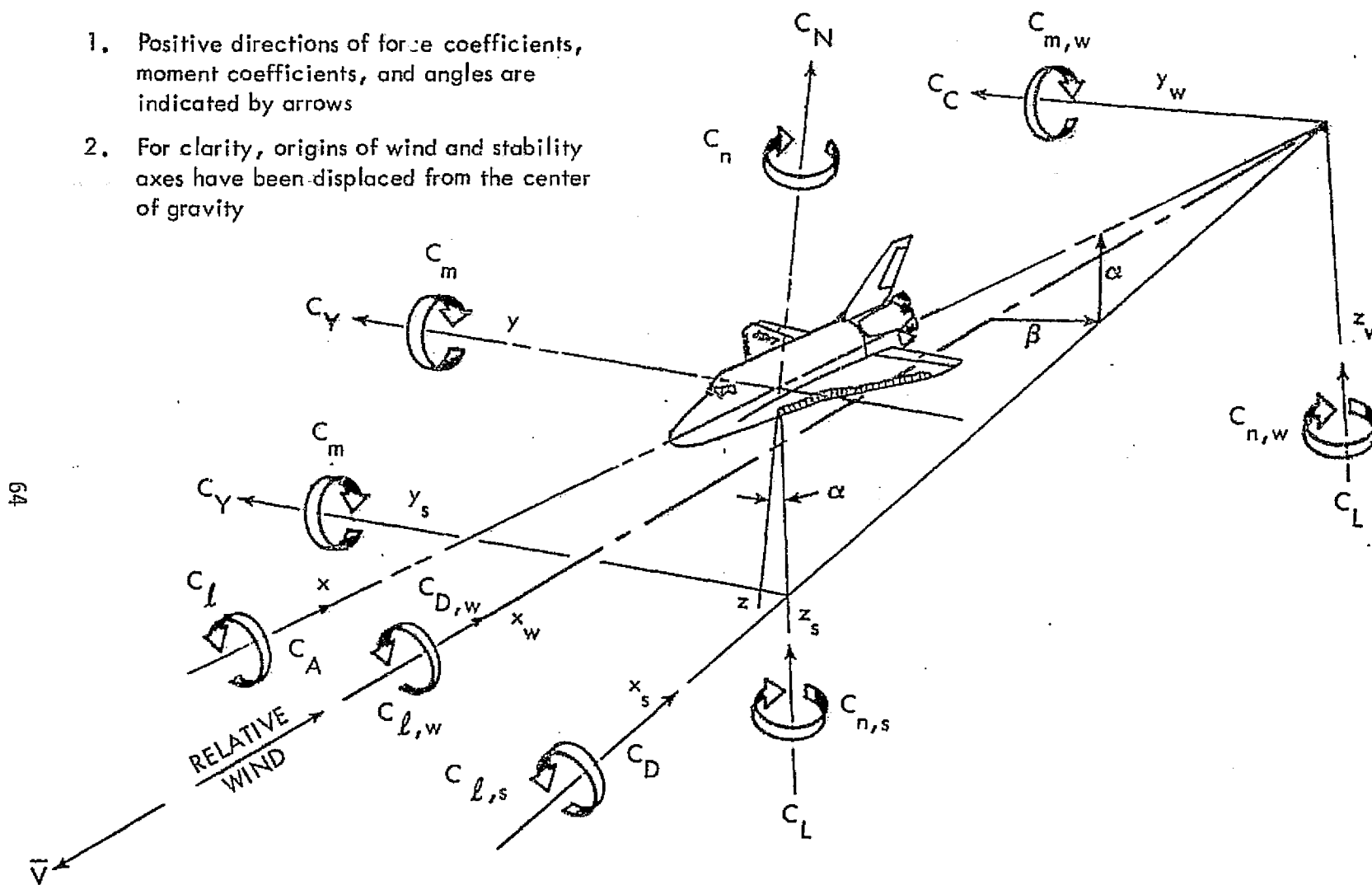
X_2 IN. FULL SCALE	X_3 IN. MODEL SCALE	X_2/L_2	ϕ - DEGREES										NO. TAPS	Σ NO TAPS
			0	45	90	135	180	225	270	315				
200	6	0	788										1	1
260	7.8	0.0235	789	790	791	792	793	794	795	796			8	9
370	11.1	0.0950	797	798	799	800	801	802	803	804			8	17
400	12.0	0.1118	805	806	807	808	809	810	811	812			8	25
450	13.5	0.1397	813	814	815	816	817	818	819	820			8	33
550	16.5	0.1956	821	822	823	824	825	826	827	828			8	41
700	21.0	0.2794	829	830	831	832	833	834	835	836			8	49
850	25.5	0.3632	837	838	839	840	841	842	843	844			8	57
1050	31.5	0.4250	845	846	847	848	849	850	851	852			8	65
1250	37.5	0.5867	853	854	855	856	857	858	859	860			8	73
1450	43.5	0.6985	861	862	863	864	865	866	867	868			8	81
* 1503	45.09	0.7280	869		870		871		872				4	85
* 1505	45.15	0.7290	873		874		875		876				4	89
* 1517	45.51	0.7360	877		878		879		880				4	93
* 1519	45.57	0.737	881		882		883		884				4	97
1650	49.5	0.8102	885	886	887	888	889	890	891	892			8	105
1750	52.5	0.8661	893	894	895	896	897	898	899	900			8	113
1840	55.2	0.9170	901	902	903	904	905	906	907	908			8	121
* 1850	55.5	0.9220	909		910		911		912				4	125
* 1852	55.56	0.9230	913		914		915		916				4	129
1890	56.7	0.9443	917	918	919	920	921	922	923	924			8	137
1930	57.9	0.9667	925	926	927	928	929	930	931	932			8	145
SKIRT BASE			933			934			935				3	148
NOZZLE CASE			936										1	149

 $L_2 = 1769.60$ IN.

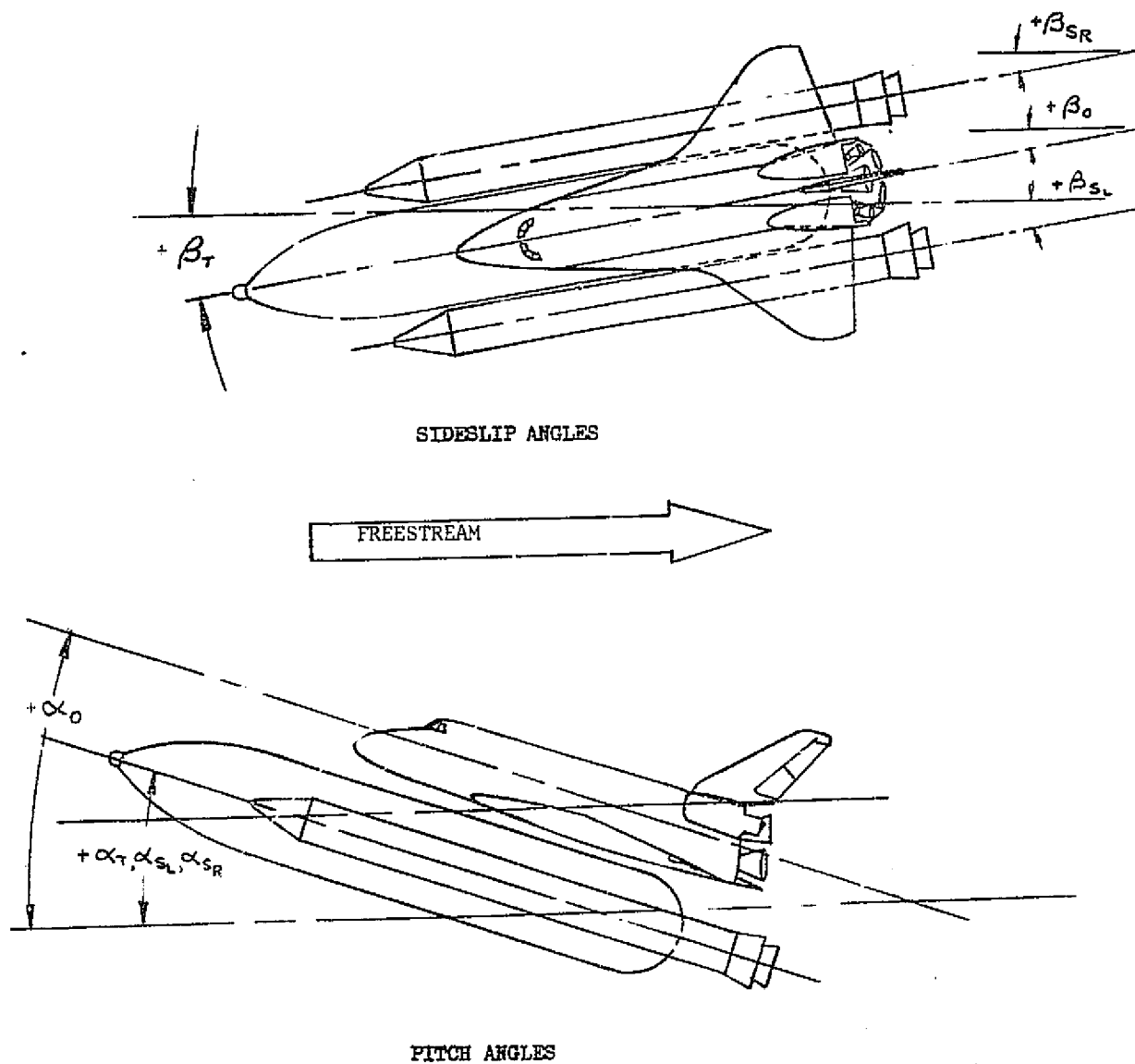
* PRESSURE TAPS AT 77.5 IN. RADIUS ON THE STRUCTURAL RINGS

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



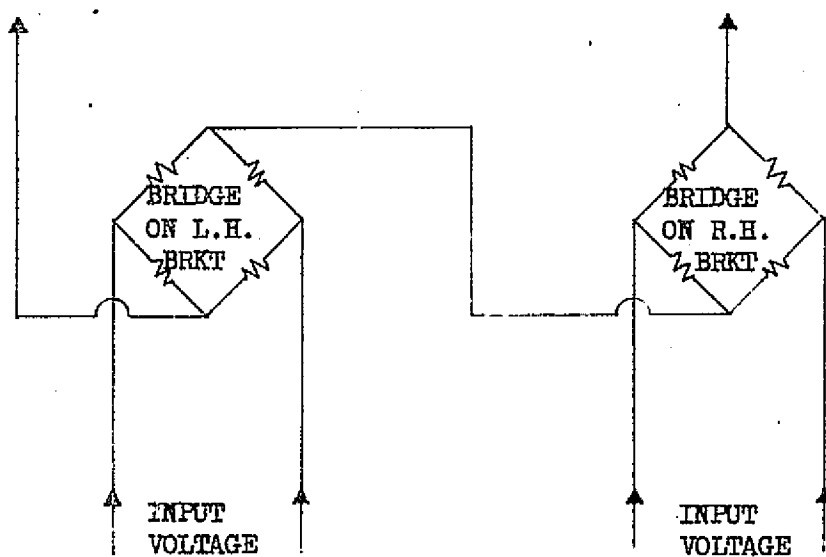
a. Forces and Moments
Figure 1. - Axis Systems.



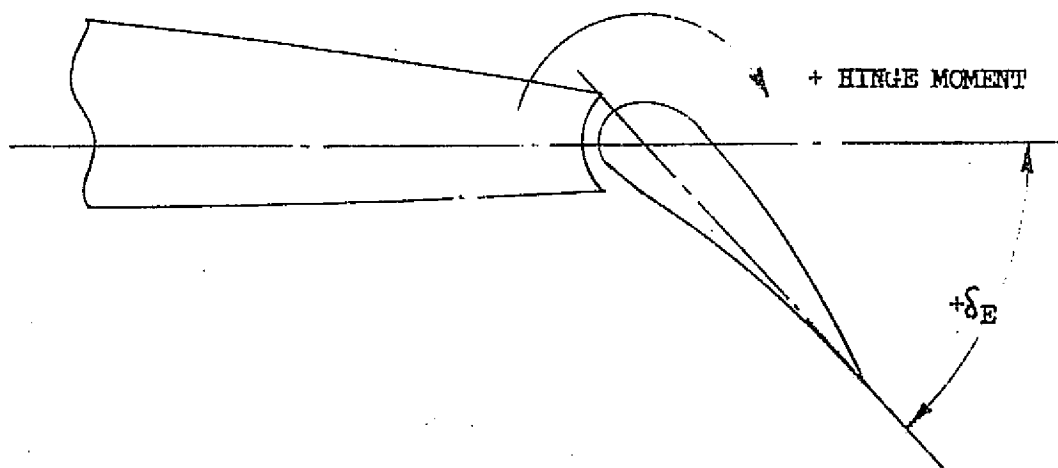
b. Model Attitude Definition

Figure 1. - Continued.

OUTPUT VOLTAGE

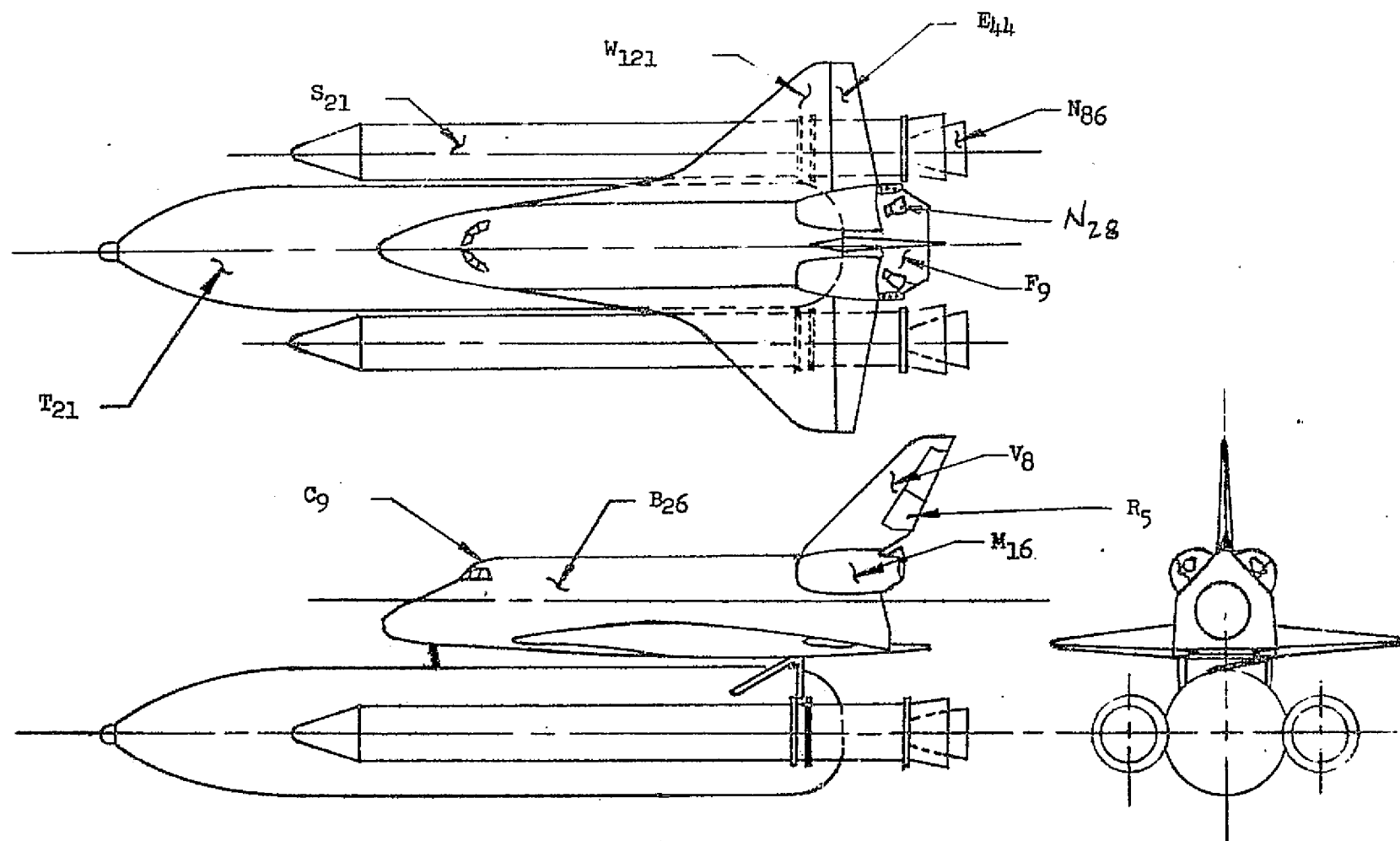


ELEVON HINGE MOMENT WIRING DIAGRAM
TYPICAL FOR INBOARD AND OUTBOARD ELEVONS



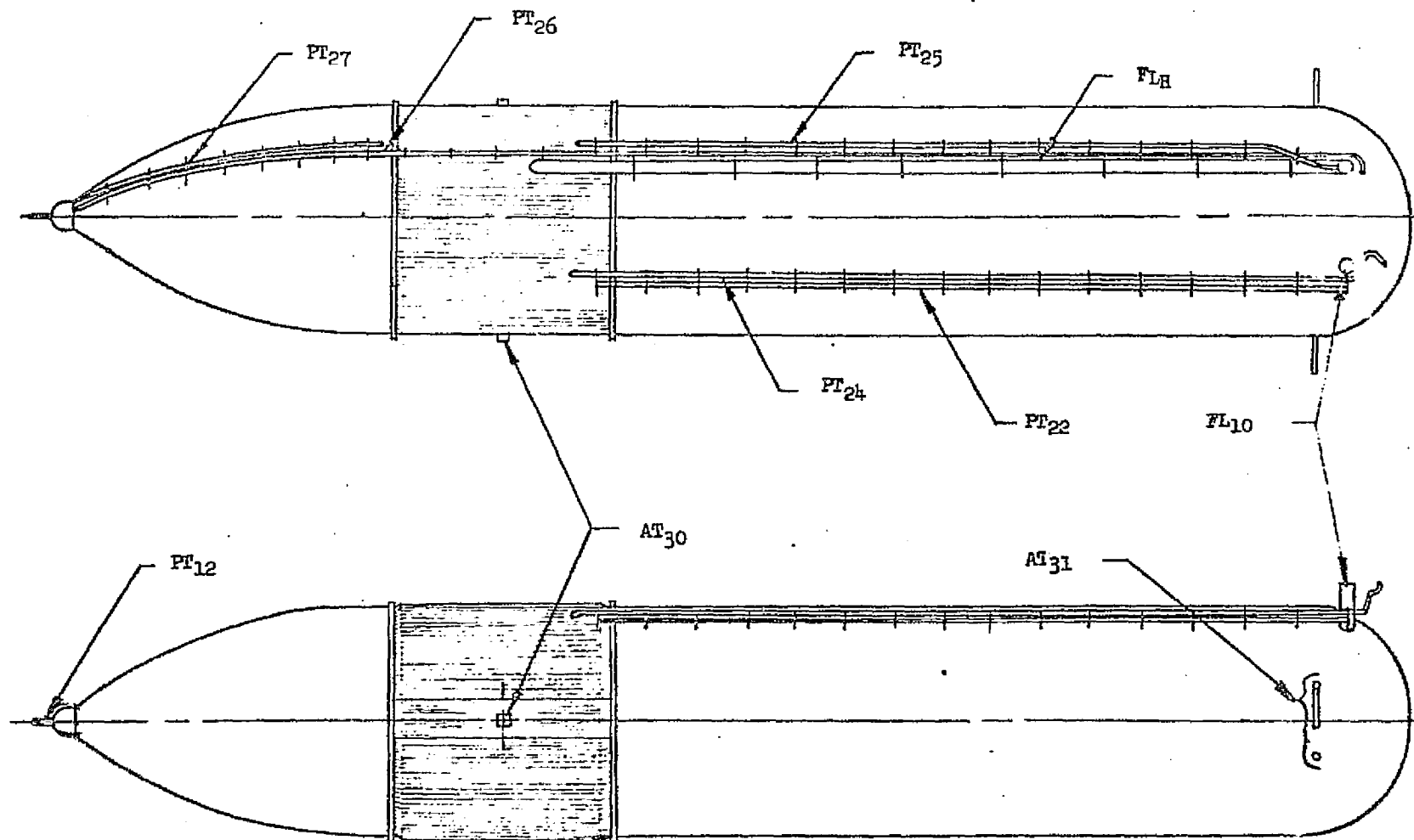
c. Elevon Electrical Hookup and Sign Conventions

Figure 1. - Concluded.



b. LVA Integrated Vehicle Three View

Figure 2. - Continued.

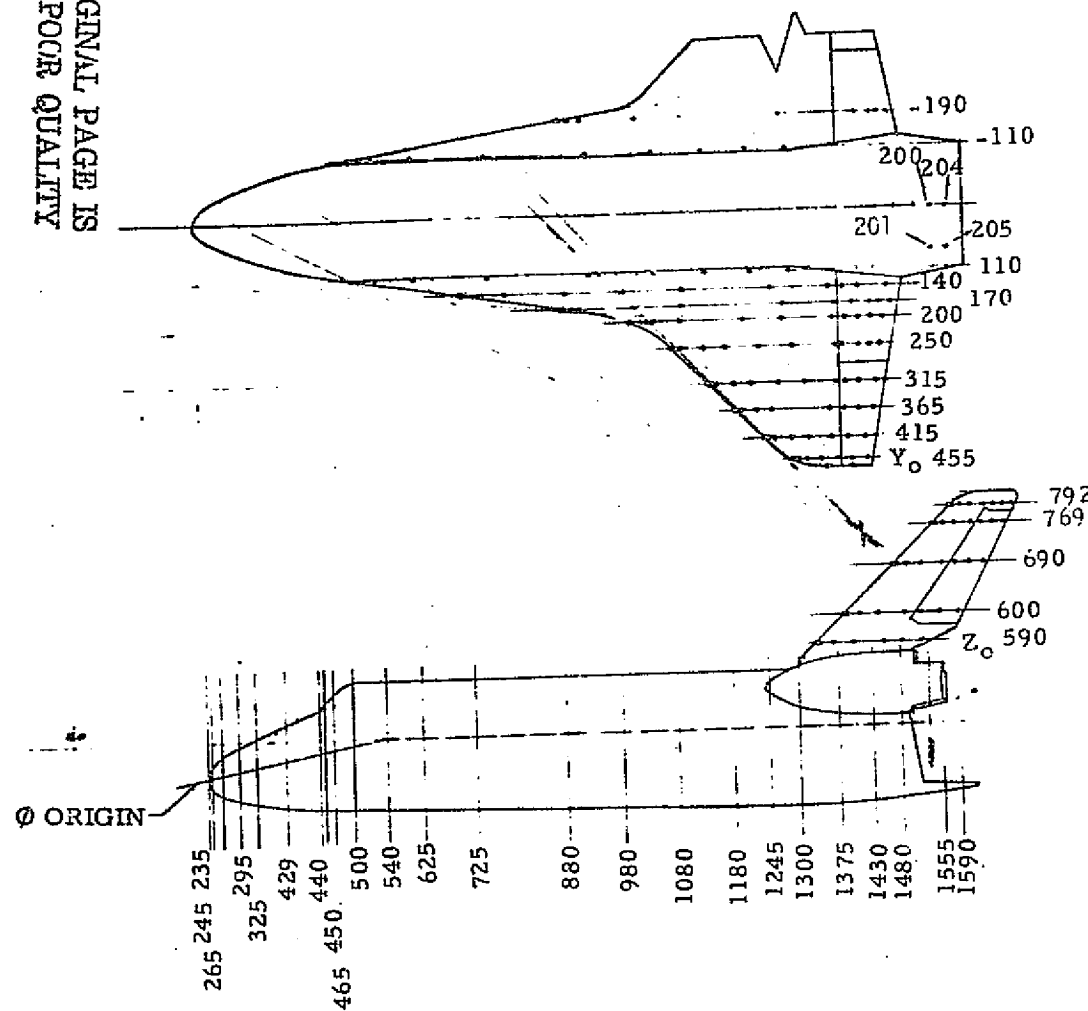


c. (T₂₈) External Tank Protuberances

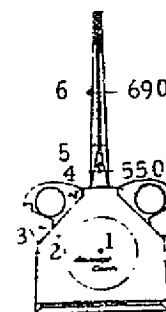
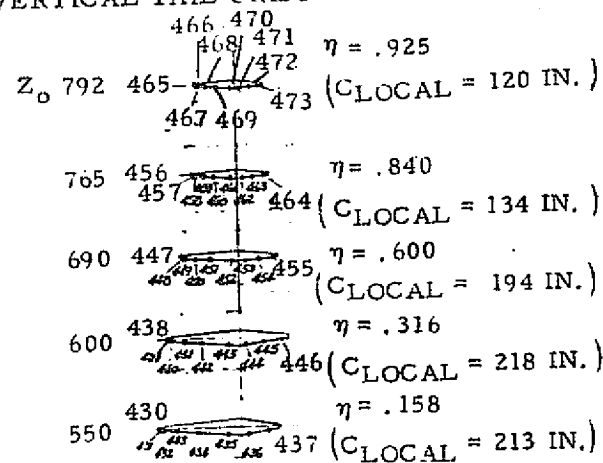
Figure 2. - Continued.

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VERTICAL TAIL CRIFICE LOCATION

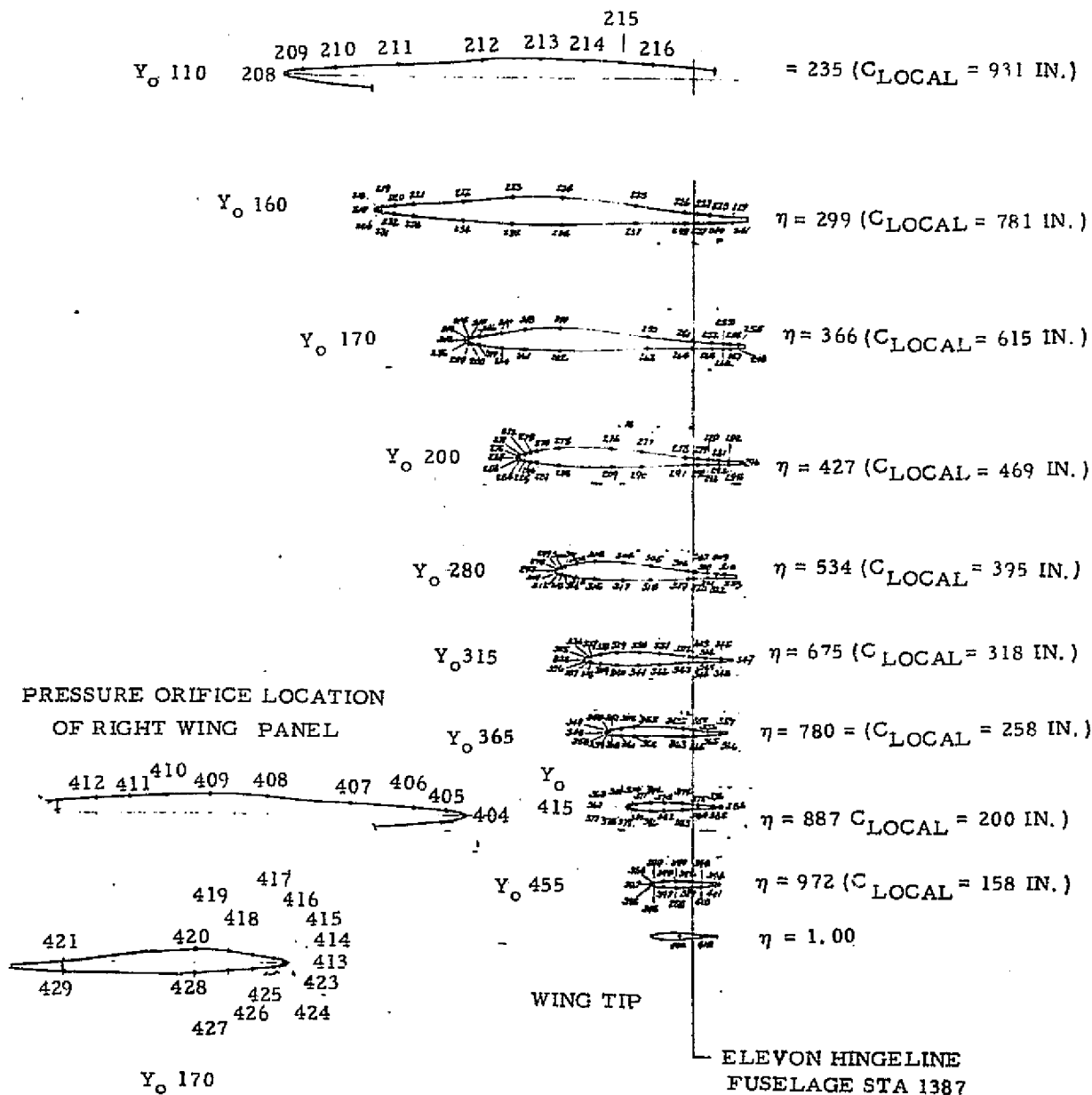


ORBITER BASE
VIEW LOOKING FORWARD

d. Orbiter Upper Wing and Vertical Tail Pressure Tap Locations

Figure 2. - Continued.

PRESSURE ORIFICE LOCATION OF LEFT WING PANEL

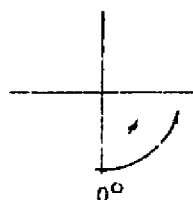


e. Orbiter Wing Pressure Tap Locations

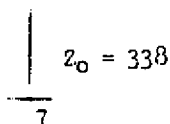
Figure 2. - Continued.

FUSELAGE ORIFICE LOCATION

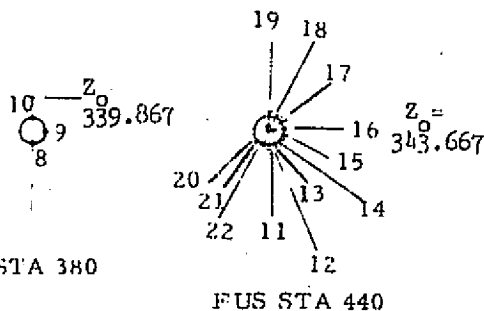
NOTE:
VIEW LOOKING AFT



FUS STA 235

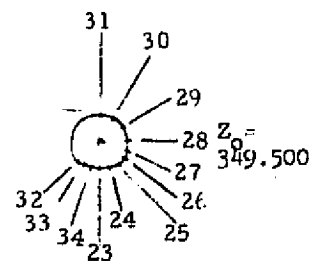


FUS STA 245



FUS STA 265

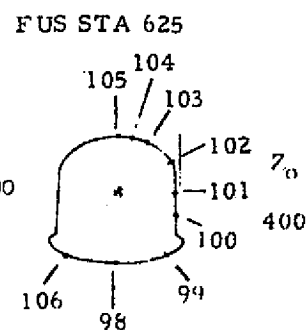
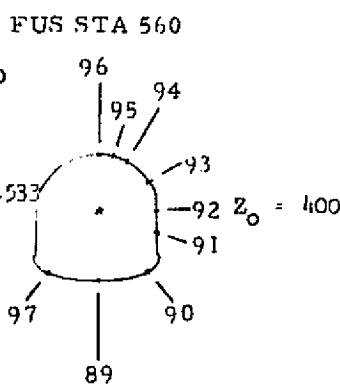
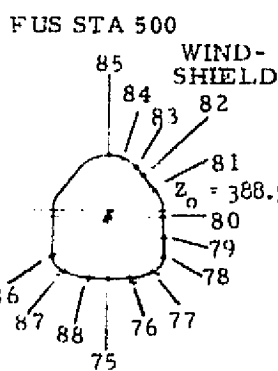
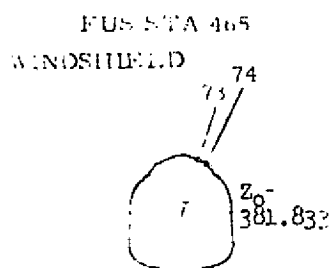
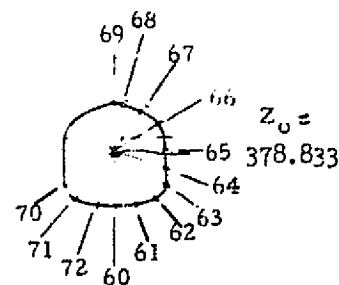
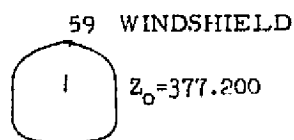
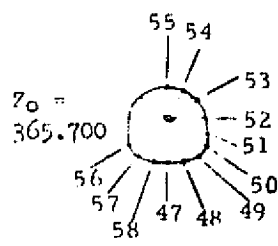
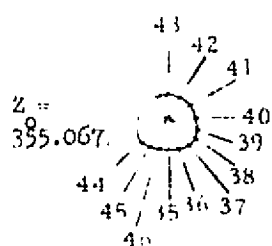
FUS STA 295



FUS STA 325

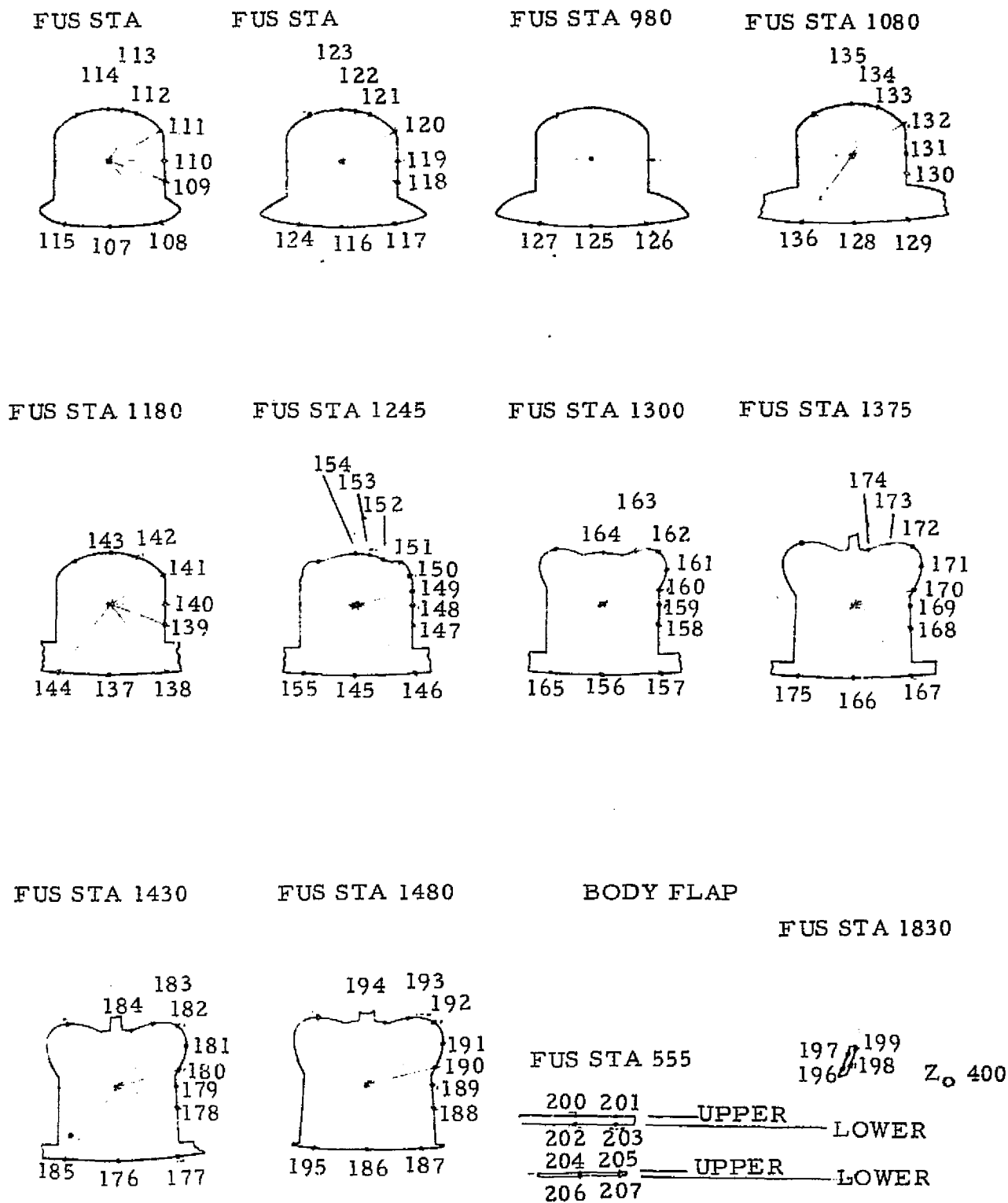
FUS STA 380

FUS STA 450



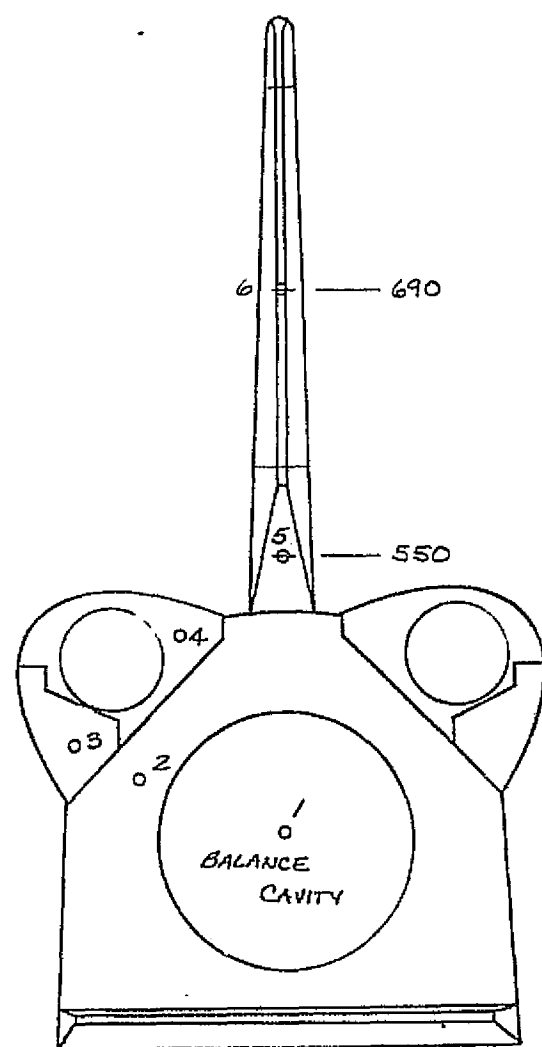
f. Orbiter Forward Fuselage Pressure Tap Locations

Figure 2. - Continued.



FUS STA 590
g. Orbiter Aft Fuselage Pressure Tap Locations

Figure 2. - Continued.



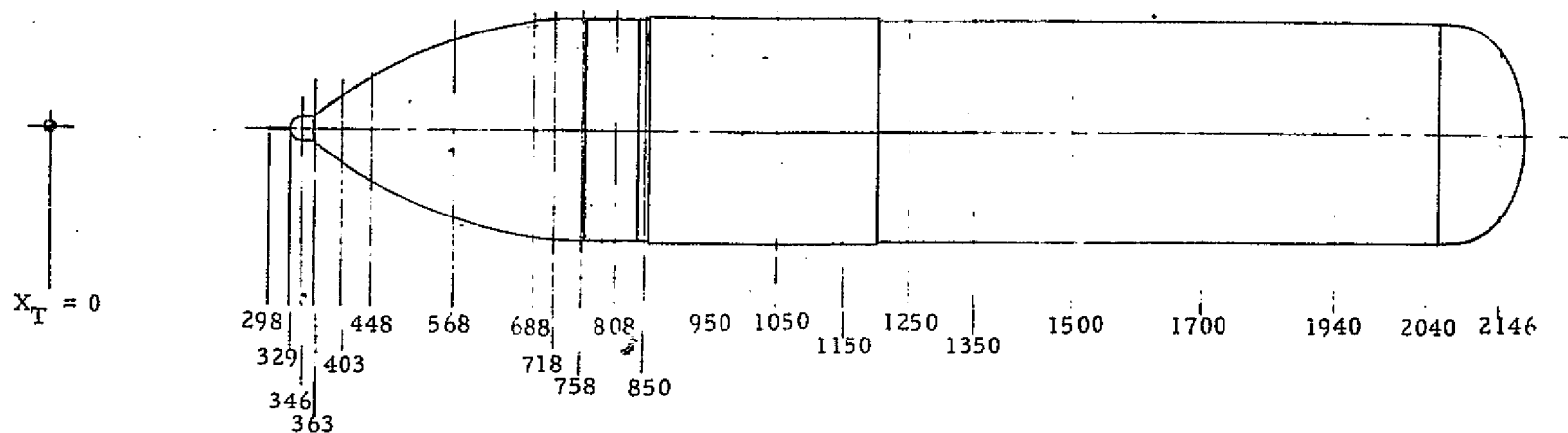
ORBITER BASE PRESSURE TAPS

BODY FLAP PRESSURE TAP NUMBERS

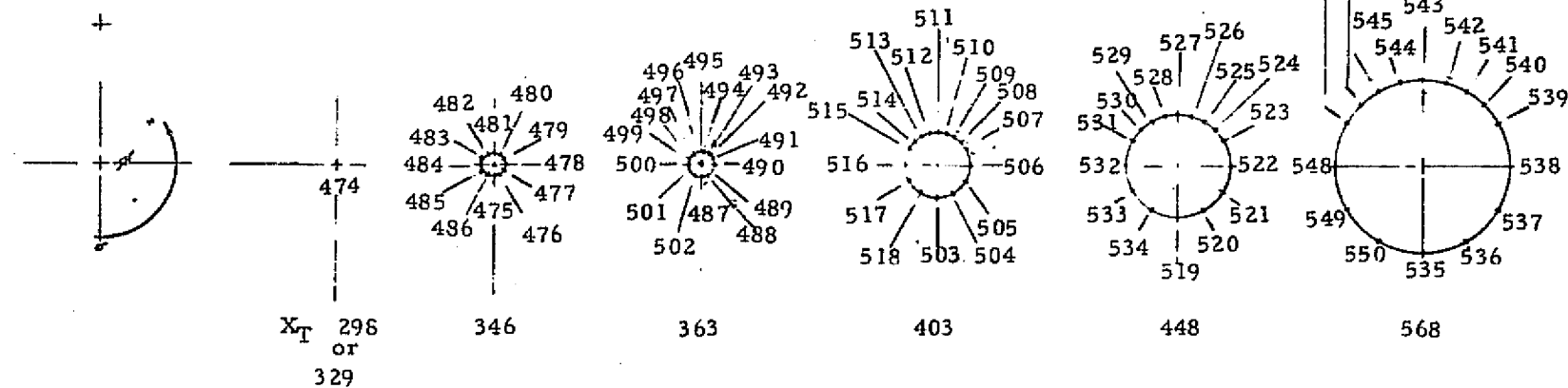
ORBITER ~ X ₀			φ ~ DEG.			
FULL SCALE	MODEL SCALE	X ₀ /L ₀	0	40	NO TAPS	Σ NO TAP
1555 _U	46.65		200	201	2	2
1555 _L	46.65		202	203	2	4
1590 _U	47.70		204	205	2	6
1590 _L	47.70		206	207	2	8

h. Orbiter Base Pressure Tap Locations

Figure 2. - Continued.

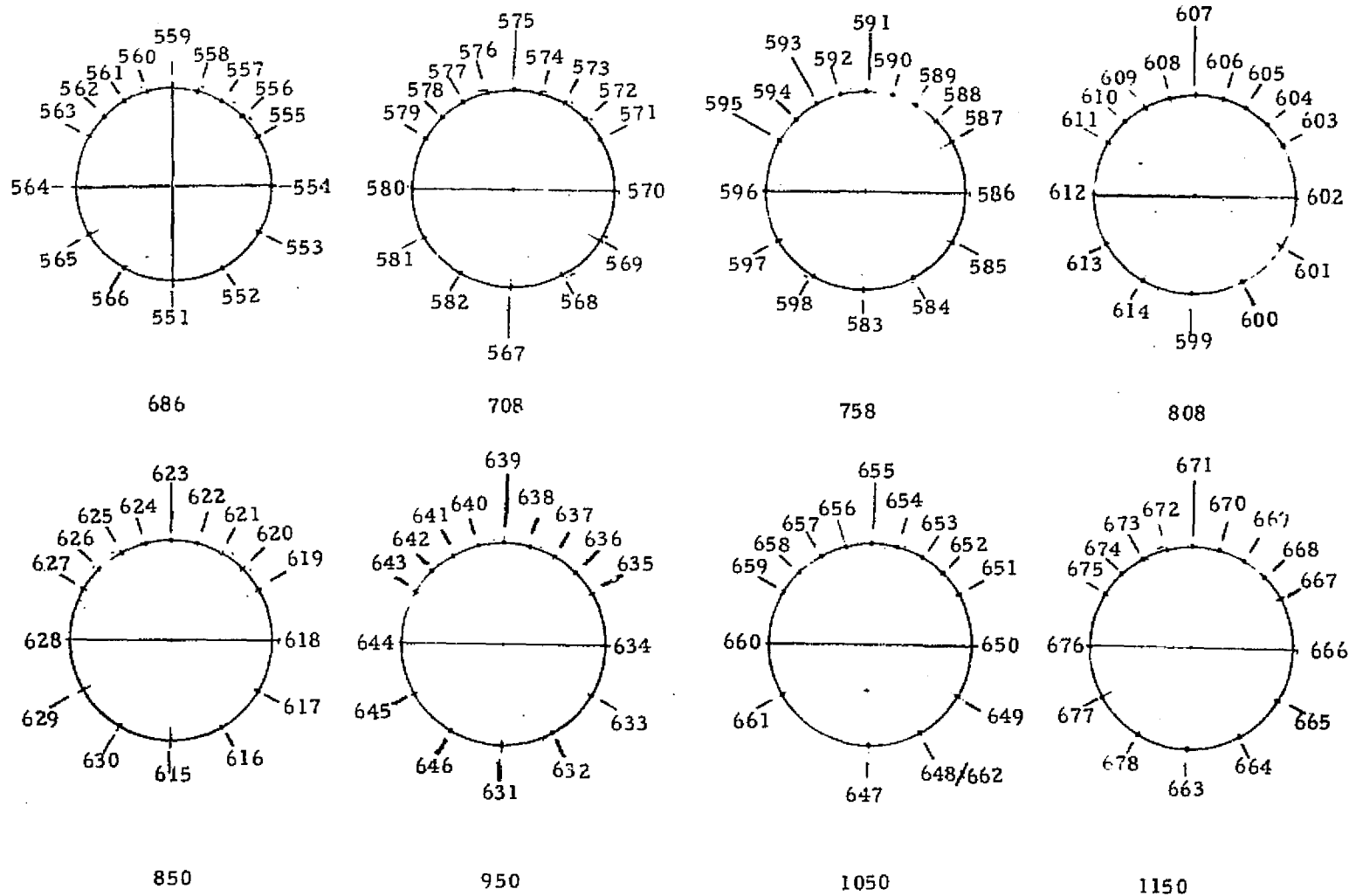


VIEW FORWARD
LOOKING AFT



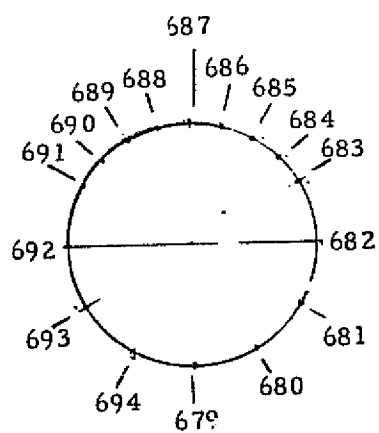
i. External Tank Forward Pressure Tap Locations

Figure 2. - Continued.

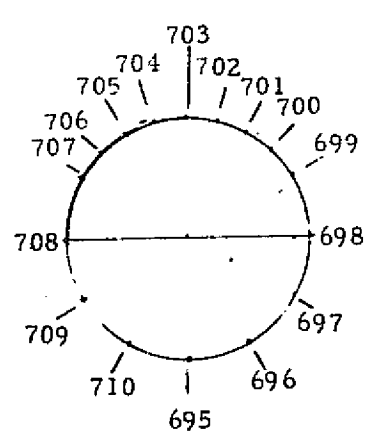


j. External Tank Mid Pressure Tap Locations

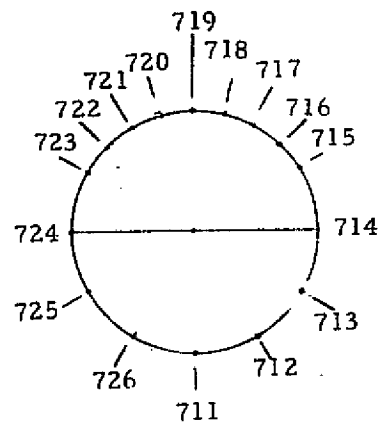
Figure 2. - Continued.



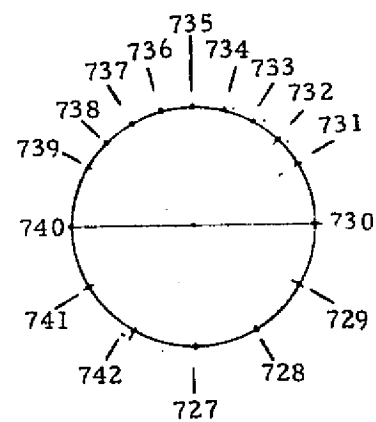
1250



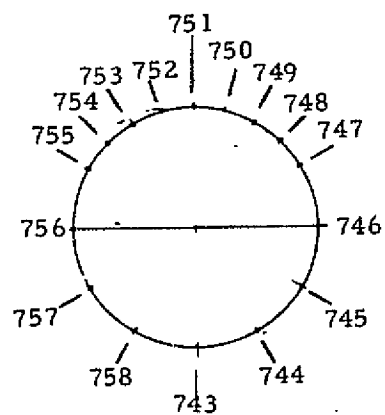
1350



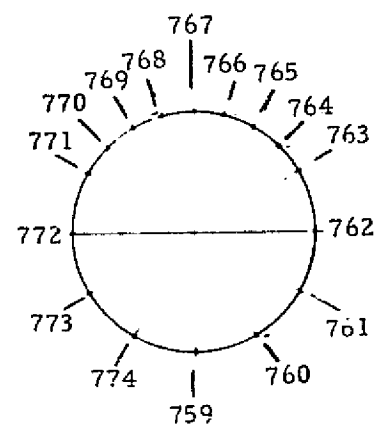
1500



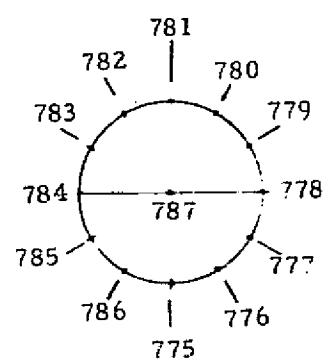
1700



1900

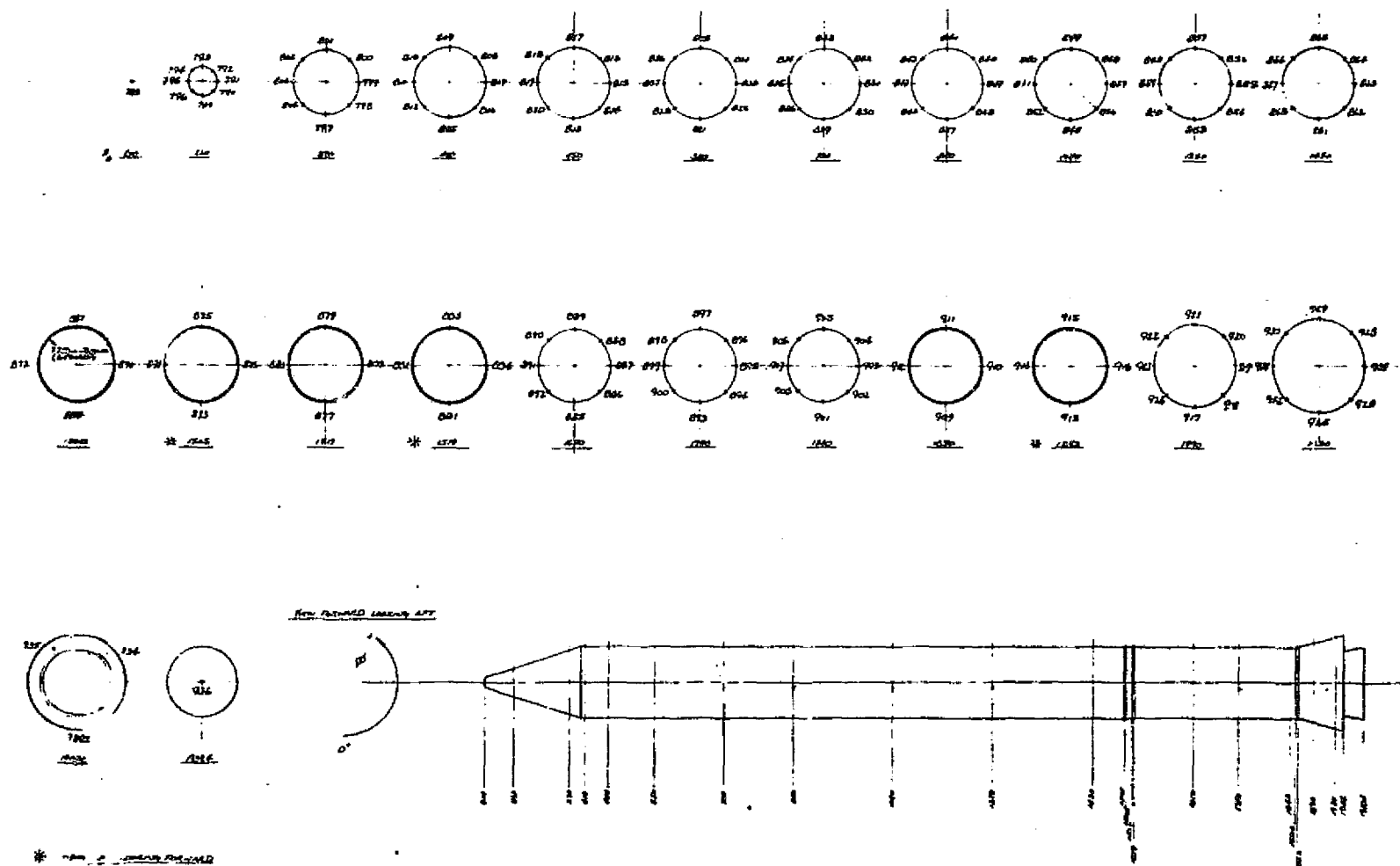


2040



k. External Tank Aft Pressure Tap Locations

Figure 2. - Continued.

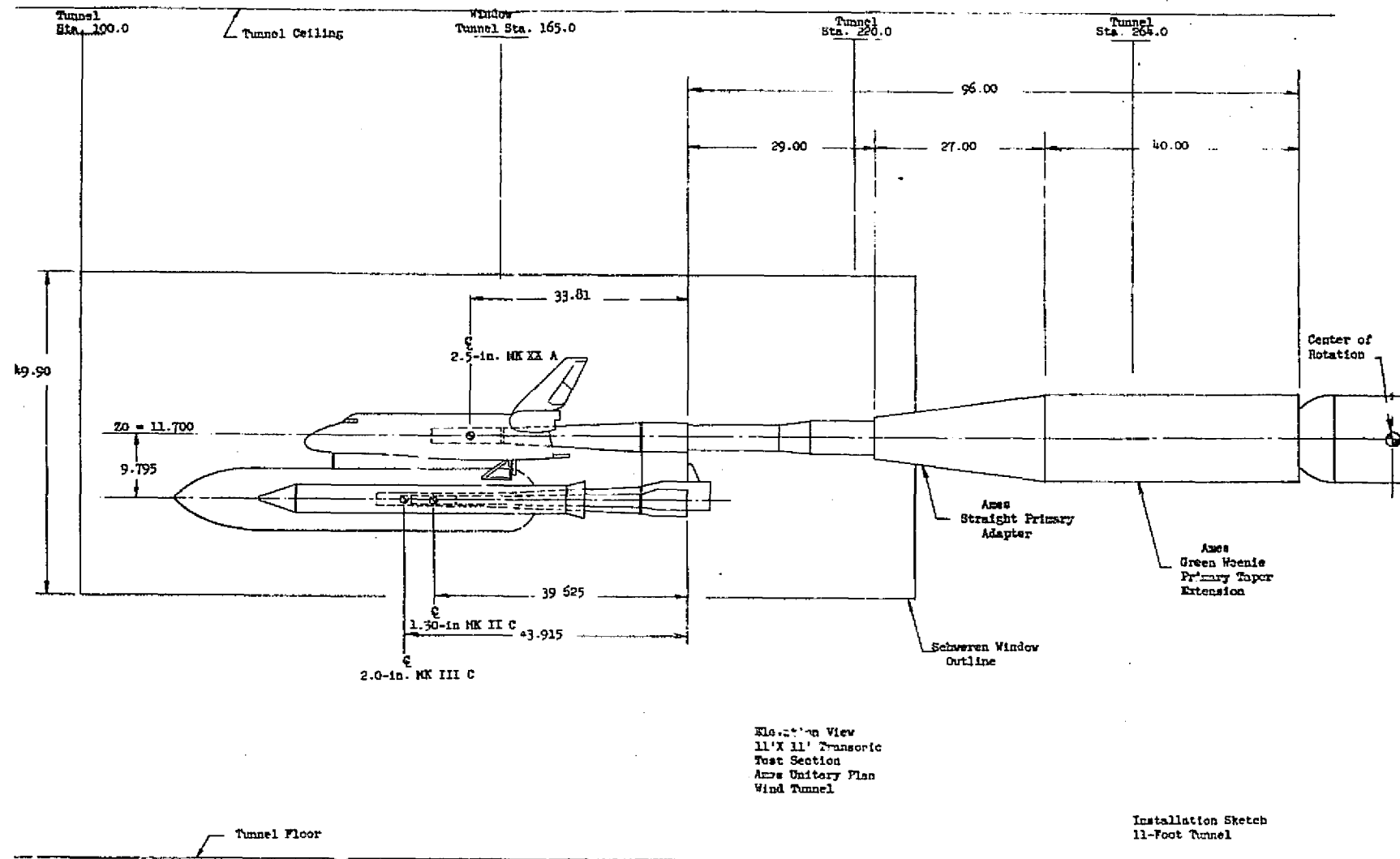


1. SRB Pressure Tap Locations

Figure 2. - Continued.

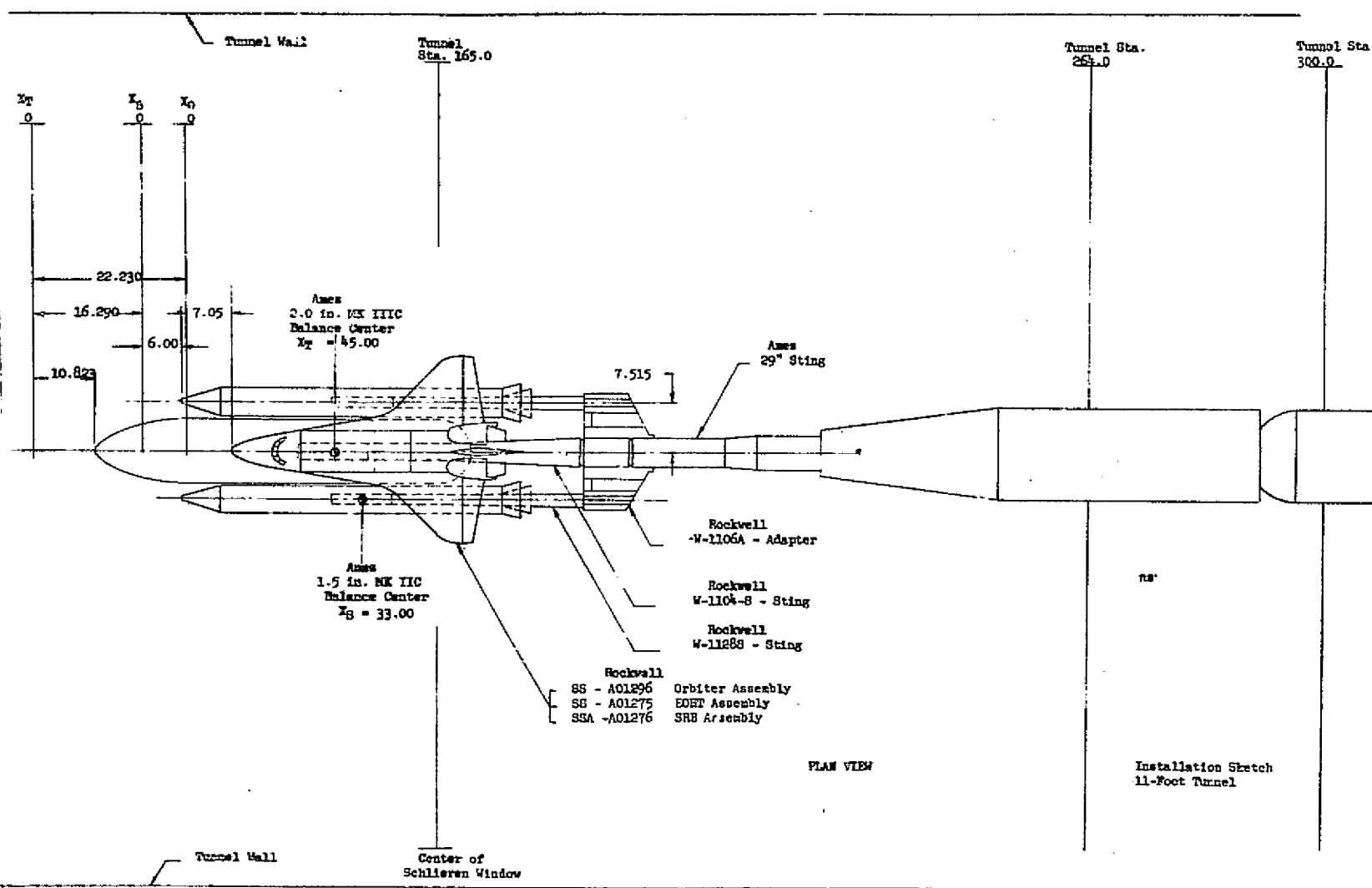
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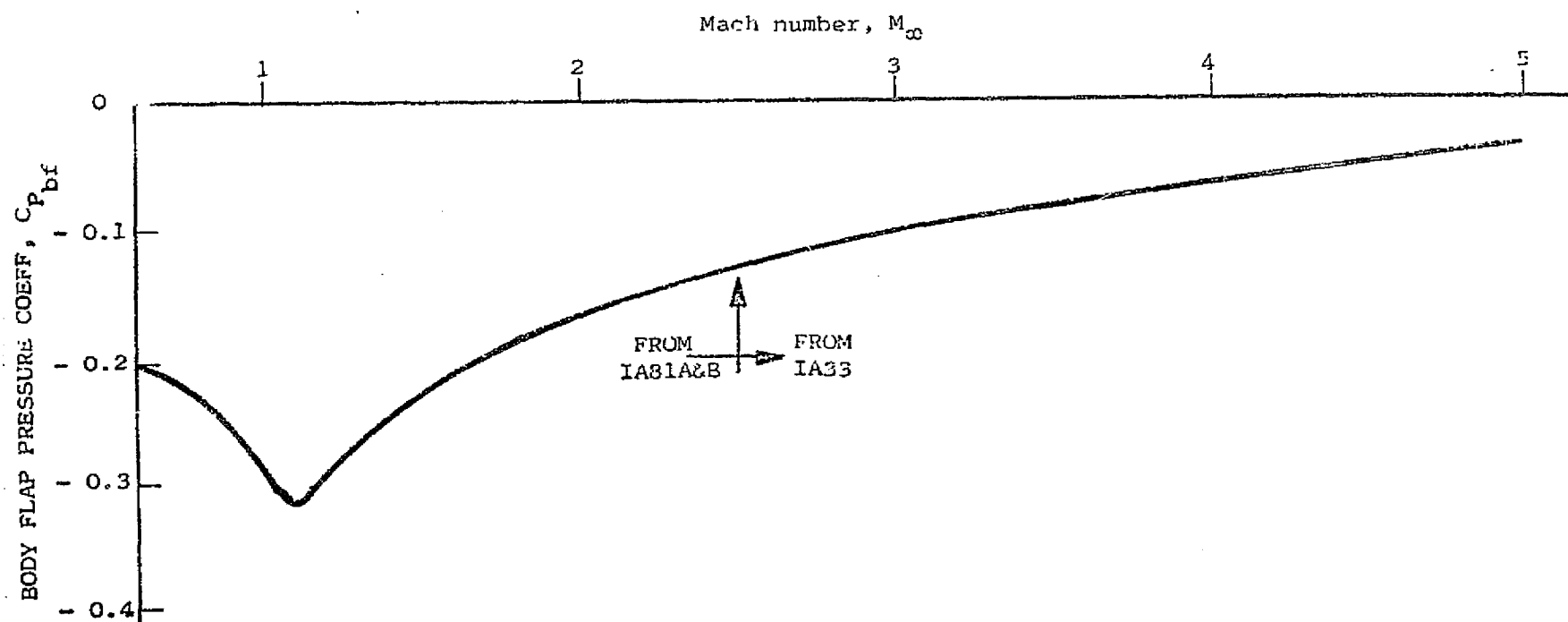
m. Model Installation Side View

Figure 2. - Continued.



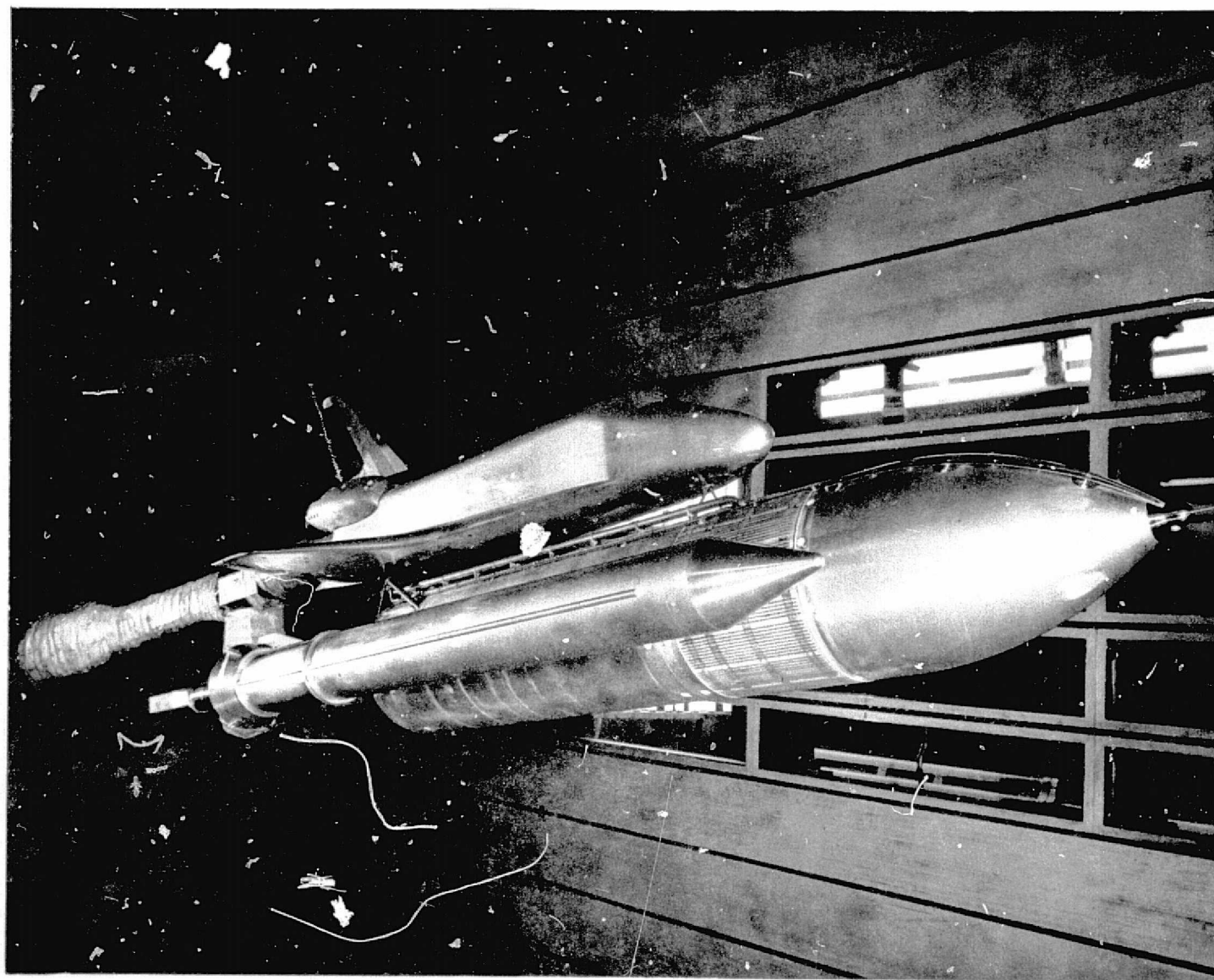
n. Model Installation Top View

Figure 2. - Continued.



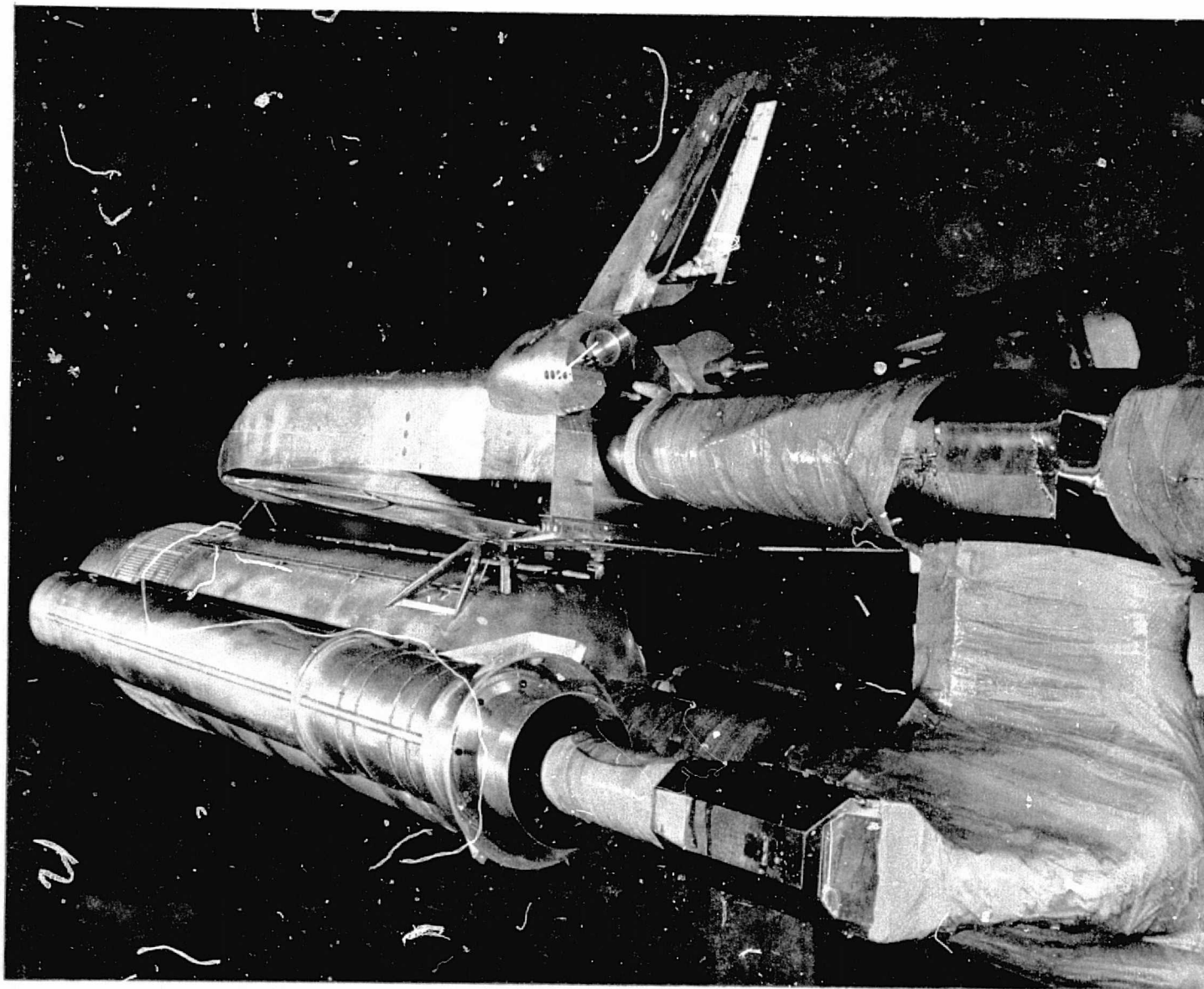
o. Orbiter Body Flap Pressure Coefficients

Figure 2. - Concluded.



a. Side View

Figure 3. - Model photographs.



b. Rear View

Figure 3. - Concluded.

APPENDIX
TABULATED SOURCE DATA

Tabulations of plotted data are available on request from
Data Management Services

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DATE 20 OCT 75

IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1255

ARCI1-019 IAB1 LVAP(SBHL UNSEALD) LEFT WING TOP

(RETU01) (02 OCT 74)

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 3.000
 ELV-1B = .000 ELV-0B = .000
 RUDDER = .000 SPOBRK = 55.000

BETA0 (1) = .005 ALPHA0(1) = -6.286

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3141	-.2251	-.0653	.3351	.4739	.3573	.2907	.2979	-.1132	
.010		-.2377	-.0240	.4201	.5386	.5242	.5213	.4894		
.020		-.2520	.0129	.3858	.4726	.4586	.4695	.4624	-.1122	
.040			.0415	.3228						
.041	-.3287									
.050		-.1781			.2963	.2998	.3267	.3259		
.069									-.1402	
.080					.1430					
.081				.2183						
.086			.1896							
.094		-.1052								
.113	-.2920									
.150					-.0380	.0070	.0464	.0354		
.157									-.1894	
.163			.2701							
.177				-.0028						
.229		-.0807								
.246			.0721							
.247	-.1250									
.250					-.1173	-.1631	-.1570	-.1839		
.274				-.0780						
.345									-.1628	
.362		.1460								
.380			-.0916							
.400					.0462	-.0282		-.2638		
.402				-.0594						
.418									-.1389	
.429	.0519									
.497		-.0641								
.503									-.1839	
.547	.0524									
.550					.0676	-.0591				
.565				.1548						
.600								-.2681		
.637			.1898							
.638	.0179									
.650							-.1758			
.670									-.1424	

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1257

ARC11-019 1A81 LVAP(SBHL UNSEALED) LEFT WING TOP

(RETD01)

SETAO (1) = -.006 ALPHAC(2) = -4.148

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
2350										
.150					-.1306	-.1385	-.1026	-.0786		
.157									-.3136	
.163			.2472							
.177				-.0368						
.229		-.0739								
.246			.0338							
.247	-.1355									
.250					-.2467	-.2993	-.3173	-.2983		
.274				-.1495						
.345									-.3234	
.362		.1332								
.390			-.471							
.400					-.3061	-.3944		-.4942		
.402				-.2898						
.418										-.1502
.429	.0670									
.497		-.0914								
.503									-.3465	
.547	.0281									
.550					.0685	-.0301				
.565			.1398							
.600								-.2044		
.637			.1654							
.638	-.1503									
.650						-.1555				
.670								-.1145		
.700		.1794				-.0753				
.725				-.0385						
.727	.1590									
.730									-.1809	
.750							-.1001	-.0195		
.760			-.0924							
.775				-.0094	-.1045					
.793	.2754									
.798			-.1115							
.808				.0127						
.834		-.0649								
.839			.0222							
.850					-.0261	-.1671	.0395			
.857				-.0197						
.862									.0469	
.865		-.0499								
.879			-.0333							
.900		-.0586			-.0941			.1340		
.905				-.0584						

DATE 20 OCT 75

IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL UNSEALD) LEFT WING TO

(RETU01)

BETAO (1) = -.030 ALPHAO(4) = .092

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.53 0	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.2306			.0575	.0273	.0079	-.0344		
.069									-.2570	
.080					-.1109					
.081				.0134						
.086			.1647							
.094		-.2090								
.113	-.2437									
.150					-.2750	-.3351	-.3110	-.3182		
.157									-.4550	
.163			.1774							
.177				-.1443						
.229		-.0794								
.246			-.0598							
.247	-.1891									
.250					-.3659	-.4537	-.4788	-.4947		
.274				-.2527						
.345									-.5510	
.362		.0930								
.390			-.2270							
.400					-.4634	-.5672		-.6739		
.402				-.4007						
.418									-.4145	
.429	.0805									
.497		-.1512								
.503									-.6331	
.547	-.0277									
.550					-.1237	-.4390				
.565				-.0228				-.6797		
.600										
.637			.0402							
.638	-.2301									
.650						-.5671				
.670								-.6724		
.700		.0462				-.1513				
.725				-.0767						
.727	-.0357									
.730									-.7987	
.750							.0028	-.2803		
.760			-.1258							
.775					.0001	-.1193				
.793	.2056									
.798			-.1441							
.808				.0028						
.834		-.0959								
.839			-.0141							

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1281

ARC11-019 1A81 LVAP(SBHL UNSEALED) LEFT WING TOP

(RETU01)

BETA0 (1) = -.030 ALPHA0(4) = .092

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.0329	-.1200	.0951			
.857				-.0443						
.862									-.5013	
.865		-.0744								
.879			-.0555							
.900		-.0894			-.0787			-.0951		
.905				-.0938						
.919			-.1229							
.950					.0165	.1006	.1610			
.953				-.0770						
.955			-.0555							
.965		-.0301								
1.000				-.2626		-.3815		-.3125		

BETA0 (1) = -.026 ALPHA0(5) = 2.226

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1757	-.2076	-.1318	.4098	.6293	.6007	.5874	.5441	-.0784	
.010		-.2534	-.1008	.3055	.2706	.3225	.2669	.0789		
.020		-.2649	-.0419	.1792	.1726	.1634	.1230	.0074	-.3037	
.040			.0009	.0713						
.041	-.2728									
.050		-.2564			-.0406	-.0732	-.1096	-.1854		
.069									-.3546	
.080					-.1947					
.081				-.0588						
.086			.1192							
.094		-.2548								
.113	-.2390									
.150					-.3581	-.3847	-.3753	-.4070		
.157									-.5427	
.163			.1269							
.177				-.2058						
.229		-.0912								
.246			-.1067							
.247	-.2221									
.250					-.4406	-.5397	-.5676	-.5669		
.274				-.3112						
.345									-.6575	
.362		.0699								
.390			-.2741							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL UNSEALO) LEFT WING TOP

(RETU01)

BETA0 (1) = -.018 ALPHAO(6) = 4.337

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1439	-.2192	-.2358	.3597	.6181	.6008	.5789	.4990	-.2254	
.010		-.2818	-.1854	.2208	.1602	.2122	.1269	-.0861		
.020		-.2883	-.1156	.0916	.0675	.0528	-.0126	-.1699	-.4983	
.040			-.0678	-.0183						
.041	-.2621									
.050		-.2785			-.1375	-.1807	-.2328	-.3314		
.069									-.5209	
.080					-.3009					
.081				-.1456						
.086			.0700							
.094		-.2837								
.113	-.2498									
.150					-.4469	-.5261	-.5073	-.5352		
.157									-.6559	
.163			.0780							
.177				-.2768						
.229		-.1042								
.246			-.1668							
.247	-.2560									
.250					-.5209	-.6253	-.6587	-.6559		
.274				-.3721						
.345									-.7771	
.362		.0485								
.390			-.3271							
.400					-.5802	-.7272		-.7997		
.402				-.4926						
.418									-.7947	
.429	.0635									
.497		-.2235								
.503									-.8472	
.547	-.0896									
.550					-.2786	-.7107				
.565				-.1875						
.600								-.7817		
.637			-.1345							
.638	-.3220									
.650							-.7809			
.670									-.9113	
.700		-.1262				-.3339				
.725					-.1823					
.727	-.2998									
.730										-.8880
.750							-.5881	-.7142		
.760				-.1640						
.775					-.1316	-.2331				

ORIGINAL PAGE IS
OF POOR QUALITY

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1255

ARC11-019 IAB1 LVAP(SBHL UNSEALD) LEFT WING TOP

(RETU01)

BETA0 (1) = .009 ALPHA0 (8) = 8.583

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1356	-.2693	-.5803	.2078	.5468	.5801	.5335	.3884	-.4747	
.010		-.3595	-.5510	.0271	-.0558	.0015	-.1252	-.3718		
.020		-.3405	-.3883	-.0916	-.1384	-.1539	-.2471	-.4369	-.7157	
.040			-.2600	-.1776						
.041	-.2640									
.050		-.2955			-.3209	-.3726	-.4589	-.5960		
.069									-.7168	
.080					-.4637					
.081				-.3218						
.086			-.0321							
.094		-.2990								
.113	-.2375									
.150					-.6504	-.6818	-.6982	-.7415		
.157									-.7104	
.163			-.0034							
.177				-.4048						
.229		-.1487								
.246			-.2445							
.247	-.2465									
.250					-.6677	-.8011	-.8172	-.8070		
.274				-.4647						
.345									-.7023	
.362		.0174								
.390			-.3927							
.400					-.6903	-.8234		-.8136		
.402				-.5641						
.418									-.7030	
.429	.0737									
.497		-.2965								
.503									-.6134	
.547	-.1324									
.550					-.5842	-.8134				
.565				-.4134						
.600								-.6900		
.637			-.3790							
.638	-.3988									
.650						-.6802				
.670								-.6870		
.700		-.4568				-.6495				
.725				-.2717						
.727	-.4316									
.730									-.6646	
.750						-.5838	-.6877			
.760				.2176						
.775				-.2100	-.3651					

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL UNSEALD) LEFT WING TOP

(RETU01)

BETA0 (1) = .009 ALPHA0(8) = 8.583

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1087									
.798		-.2214								
.808			-.0756							
.834	-.0728									
.839		-.0867								
.850				-.1370	-.2044	-.5038				
.857			-.1037							
.862								-.6682		
.865	-.1752									
.879		-.0847								
.900	-.0755			-.1098				-.6590		
.905			-.1410							
.919		-.1651								
.950			-.0738	-.1475	-.5178					
.953			-.1034							
.955		-.0885								
.965	-.0783									
1.000			-.1466	-.3116			-.6182			

ORIGINAL PAGE IS
OF POOR QUALITY

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(K5TU02)

DEPENDENT VARIABLE CP

DEPENDENT VARIABLE CP

.113

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING TOP

(RETU02)

BETA0 (1) = -.020 ALPHA0(2) = -4.065

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.2111	-.2223	-.2137	-.2175		
.157									-.2204	
.163			.1429							
.177				-.1404						
.229		.0779								
.246			-.0649							
.247	.0041									
.250					-.3076	-.3405	-.3750	-.3894		
.274				-.2169						
.345									-.1695	
.362		.0264								
.390			-.1899							
.400					-.2327	-.2924		-.3320		
.402				-.2165						
.418									-.3487	
.429	.0505									
.497		-.1617								
.503									-.1775	
.547	-.0874									
.550					-.1504	-.2018				
.565				-.0880						
.600								-.1895		
.637			-.0496							
.638	-.1538									
.650						-.1238				
.670									-.0799	
.700		-.0358				-.0747				
.725					-.0608					
.727	-.0431									
.730									-.3662	
.750							-.0258	-.0206		
.760			-.0917							
.775					-.0005	-.0550				
.793	.0877									
.798		-.0947								
.808			.0233							
.834		-.0892								
.839			.0205							
.850					.0489	.0247	.0591			
.857				.0251						
.862									.0170	
.865	-.0447									
.879		.0084								
.900	-.0280				.0404			.0827		
.905			.0115							

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(REU02)

DEPENDENT VARIABLE CP

1.000

DEPENDENT VARIABLE CP

.050

113

525
526

345

.400

418

.429

.497

503

547

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TABLE A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING TOP

(RETU02)

BETA0 (1) = - .028 ALPHA0(3) = -1.995

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.550				- .1702	- .2231		
.565			- .1106				
.606						- .2117	
.637		- .0653					
.638	- .1909						
.650					- .1398		
.670						- .0948	
.700		- .0551			- .0855		
.725				- .0656			
.727	- .0631						
.730							
.750							- .1737
.760			- .0916		- .0342	- .0268	
.775				- .0026	- .0586		
.793	.0794						
.798		- .0935					
.808			.0230				
.834		- .0876					
.839		.0171					
.850				.0477	.0262	.0528	
.857			.0215				
.862							.0164
.865	- .0448						
.879		.0123					
.900	- .0271			.0401		.0834	
.905			.0099				
.919		- .0082					
.950				.0660	.0874	.1067	
.953			.0281				
.955		- .0031					
.965	- .0126						
1.000			- .0018		.0385	.0775	

BETAO (1) = -.031 ALPHAO(4) = .07B

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/8W	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.000	-.1838	-.0489	.0564	.3158	.4763	.4202	.3997	.3814	-.1420
.010		-.0621	.0684	.2525	.2119	.2360	.1993	.0405	
.020		-.0699	.0834	.1254	.1022	.0619	.0370	-.0222	-.2367
.040			.0972	.0109					
.041	-.1490								

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU02)

BETA0 (1) = -.031 ALPHA0(4) = .078

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.0507			-.1369	-.1991	-.2235	-.2457		
.069									-.2958	
.080					-.3155					
.081				-.1411						
.086			.0983							
.094		-.0296								
.113	-.0962									
.150					-.4222	-.4742	-.4798	-.4640		
.157									-.3546	
.163			.0178							
.177				-.3175						
.229		.0271								
.246			-.2023							
.247	-.0355									
.250					-.4690	-.5270	-.5859	-.5916		
.274				-.3539						
.345									-.2934	
.362		-.0704								
.390			-.2971							
.400					-.3155	-.3841		-.4431		
.402				-.3018						
.418									-.1728	
.429	-.0064									
.497		-.2696								
.503									-.2919	
.547	-.1792									
.550					-.1859	-.2411				
.565				-.1261						
.600								-.2352		
.637			-.0733							
.638	-.2328									
.650							-.1501			
.670									-.1370	
.700		-.0740				-.0893				
.725					-.0665					
.727	-.0883									
.730									-.2040	
.750							-.0378	-.0360		
.760			-.0893							
.775					-.0001	-.0570				
.793	.0657									
.798			-.0936							
.808				.0262						
.834		-.0927								
.839			.0178							

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU02)

BETA0 (1) = -.031 ALPHAO(4) = .078

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					.0493	.0294	.0571			
.857				.0233						
.862									-.0009	
.865		-.0523								
.879			.0164							
.900		-.0346			.0486			.0832		
.905				.0173						
.919			-.0041							
.950					.0743	.0882	.1131			
.953				.0417						
.955			.0032							
.965		-.0105								
1.000				.0159		.0424		.0799		

BETA0 (1) = -.032 ALPHAO(5) = 2.167

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1843	-.0817	.0076	.3010	.4936	.4507	.4345	.3841	-.1470	
.010		-.1096	.0233	.1737	.0764	.0752	.0080	-.2100		
.020		-.1092	.0424	.0284	-.0544	-.1105	-.1717	-.2802	-.3910	
.040			.0526	-.0905						
.041	-.1552									
.050		-.0749			-.2978	-.3697	-.4165	-.4587		
.069									-.4452	
.080					-.4698					
.081				-.2474						
.086			.0460							
.094		-.0518								
.113	-.1072									
.150					-.5376	-.6125	-.6401	-.6031		
.157									-.4919	
.163			-.0454							
.177				-.4076						
.229		.0013								
.246			-.2723							
.247	-.0464									
.250					-.5435	-.6339	-.6885	-.7121		
.274				-.4146						
.345									-.3986	
.362		-.1112								
.390			-.3521							

1A81A - PRESSURE SOURCE DATA TABULATION

{RETU02}

ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING TOP

BETA0 (1) = -.032 ALPHA0(5) = 2.167

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

[illegible]

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IA81 LVAP(SBHL SEALED) LEFT WING TOP

(RETU02)

BETA0 (1) = -.026 ALPHA0(6) = 4.242

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.2037	-.1214	-.0559	.2637	.4810	.4311	.396	.2783	-.3034		
.010		-.1581	-.0304	.0818	-.0985	-.1170	-.2441	-.5370			
.020		-.1492	-.0081	-.0831	-.2240	-.3101	-.4192	-.6010	-.6407		
.040			.0046	-.1954							
.041	-.1730										
.050		-.1086			-.4526	-.5714	-.6643	-.7237			
.069					-.6186				-.6542		
.080											
.081				-.3630							
.086			-.0085								
.094		-.0772									
.113	-.1223										
.150					-.6546	-.7572	-.7967	-.7839			
.157									-.6752		
.163			-.1169								
.177				-.5003							
.229		-.0216									
.246			-.3416								
.247	-.0590										
.250					-.6207	-.7253	-.7923	-.8261			
.274				-.4810							
.346									-.5741		
.362		-.1552									
.390			-.4022								
.400					-.3768	-.4560		-.5317			
.402				-.3681							
.418									-.7229		
.429	-.0508										
.497		-.3558									
.503									-.5202		
.547	-.2767										
.550					-.2067	-.2658					
.565				-.1418							
.600								-.2844			
.637			-.0993								
.638	-.2985										
.650							-.1680				
.670								-.3860			
.700		-.0975				-.0906					
.725					-.0538						
.727	-.1153										
.730										-.8022	
.750							-.0352	-.0511			
.760				-.0682							
.775					.0118	-.0452					

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(REU02)

BETA0 (1) = -.025 ALPHA0(6) = 4.242

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0789									
.798			-.0739							
.808				.0255						
.834		-.0846								
.839			.0258							
.850					.0544	.0493	.0608			
.857				.0349						
.862										
.865		-.0579							-.2831	
.879			.0237							
.900		-.0095			.0609			.0744		
.905				.0379						
.919			.0120							
.950					.0886	.1053	.1179			
.953				.0551						
.955			.0258							
.965		.0237								
1.000				.0427		.0451		.0583		

BETA0 (1) = - .007 ALPHA0(7) = 6.338

SECTION (1) LEFT WING TOP.

DEPENDENT VARIABLE CP

[illegible]

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING TOP

(RETU02)

BETA0 (1) = -.007 ALPHA0 (7) = 6.338

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8970	.9720	1.0000
X/CW										
.250					-.6952	-.8377	-.9090	-.9531		
.274				-.5503						
.345									-.7326	
.362		-.2014								
.390			-.4489							
.400					-.4075	-.5122		-.5613		
.402				-.3992						
.418										-1.2856
.429	-.0852									
.497		-.4004								
.503									-.7021	
.547	-.3282									
.550					-.2118	-.2813				
.565				-.1500						
.600								-.3275		
.637			-.1276							
.638	-.3340									
.650							-.1835			
.670								-.5355		
.702		-.1202				-.0995				
.725				-.0570						
.727	-.1255									
.730									-.1.2302	
.750							-.0461	-.0792		
.760			-.0635							
.775					.0098	-.0433				
.793	.0958									
.798		-.0916								
.808			.0153							
.834	-.0905									
.839			.0251							
.850					.0521	.0505	.0518			
.857				.0237						
.862									-.5038	
.865	-.0686									
.879		.0334								
.900	-.0028				.0612			.0550		
.905				.0242						
.919		.0218								
.950					.0835	.1028	.1069			
.953				.0512						
.955		.0342								
.965	.0337									
1.000				.0467		.0386		.0301		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1279

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU03) (02 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .900 RN/FT = 3.500
 ELV-18 = .000 ELV-08 = .000
 RUDDER = .000 SPDGRK = 55.000

BETA0 (1) = .027 ALPHA0(1) = -6.277

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4967	.0302	.0878	.2660	.3422	.1952	.1186	.1313	-.4448	
.010		.0426	.1306	.3837	.4902	.4618	.4472	.3745		
.020		.0350	.1632	.3571	.4271	.3975	.3938	.3427	-.3472	
.040			.1759	.2942						
.041	-.2937									
.050		.0586			.2481	.2333	.2341	.1831		
.069									-.4001	
.080					.0970					
.081				.1844						
.086			.2376							
.094		.0598								
.113	-.0252									
.150					-.0875	-.0927	-.0815	-.1592		
.157									-.4416	
.163			.2517							
.177				-.0281						
.229		.1339								
.246			.0484							
.247	.0636									
.250					-.2317	-.2618	-.3157	-.4066		
.274				-.1967						
.345									-.3683	
.362		.1268								
.390			-.1228							
.400					-.1856	-.2951		-.5525		
.402				-.1717						
.418									-.3850	
.429	.1359									
.497		-.0896								
.503									-.1809	
.547	.0052									
.550					-.1856	-.3258				
.565				-.0740						
.600								-.2365		
.637		-.0226								
.638	-.0995									
.650						-.2154				
.670								-.1386		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1281

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU03)

BETA0 (1) = .004 ALPHAO (2) = -.4157

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8970	.9720	1.0000
X/CW										
.150					-.1947	-.2204	-.2140	-.2752		
.157									-.5087	
.163			.1983							
.177				-.1241						
.229		.1143								
.246			-.0197							
.247	.0376									
.250					-.3400	-.3875	-.4390	-.5195		
.274				-.2938						
.345									-.4401	
.362		.0904								
.390			-.2058							
.400					-.2789	-.3731		-.6456		
.402				-.2407						
.418										-.3597
.429	.1097									
.497		-.1498								
.503									-.2612	
.547	-.0444									
.550					-.2201	-.3706				
.565				-.1021						
.600								-.2701		
.637			-.0532							
.638	-.1654									
.650						-.2418				
.670									-.1457	
.700		-.0209				-.1465				
.725					-.1879					
.727	-.0306									
.730										-.3801
.750							-.0394	-.0327		
.760				-.2410						
.775					-.0401	-.1499				
.793	.0870									
.798			-.2354							
.808				-.0271						
.834		-.2227								
.839			-.0368							
.850					.0027	-.0458	.0383			
.857				-.0325						
.862									-.0113	
.865		-.1220								
.879			-.0385							
.900		-.0931			-.0039			.0662		
.905				-.0315						

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TABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU03)

BETA0 (1) = -.020 ALPHA0(3) = -2.045

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.550					-.2401	-.4144				
.565				-.1280						
.600								-.3597		
.637			-.0700							
.638	-.2404									
.650							-.2831			
.670									-.1640	
.700		-.0417				-.1762				
.725					-.1934					
.727	-.0620									
.730										-.3163
.750							-.0071	-.0031		
.760				-.2783						
.775					-.0254	-.1350				
.793	.0688									
.798			-.2471							
.808				-.0277						
.834		-.2272								
.839			-.0463							
.850					.0154	-.0247	.0494			
.857				-.0277						
.862									-.0091	
.865		-.1418								
.879			-.0351							
.900		-.1019			.0020			.0725		
.905				-.0271						
.919			-.0407							
.950					.0120	.0662	.0562			
.953				-.0096						
.955			-.0263							
.965		-.0230								
1.000				-.0653		-.0846		-.0479		

BETA0 (1) = -.030 ALPHA0(4) = .070

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4585	-.0389	.0784	.3668	.5287	.4702	.4428	.4106	-.2053	
.010		-.0553	.0979	.3002	.2678	.2004	.2252	.0446		
.020		-.0539	.1231	.1877	.1591	.1107	.0720	-.0308	-.4025	
.040			.1375	.0798						
.041	-.5046									

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING TOP

(RETU03)

BETAD (1) = -.030 ALPHA0 (4) = .070

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CM										
.050		-.0123			-.0805	-.1440	-.1854	-.2527		
.069									-.5136	
.080					-.2752					
.081				-.0784						
.086			.1428							
.094		-.0005								
.113	-.0765									
.150					-.4258	-.5245	-.5135	-.5707		
.157									-.7571	
.163			.0906							
.177				-.3589						
.229		.0769								
.246			-.1519							
.247	.0084									
.250					-.5553	-.6710	-.7159	-.7291		
.274				-.4631						
.345									-.8402	
.362		.0055								
.390			-.3877							
.400					-.4105	-.6073		-.9862		
.402				-.5190						
.418									-.6420	
.429	.0670									
.497		-.3007								
.503									-.8150	
.547	-.1520									
.550					-.2604	-.4314				
.565				-.1477						
.600							-.3067			
.637			-.0918							
.638	-.3212									
.650						-.2774				
.670								-.3596		
.700		-.0740				-.1314				
.725				-.2796						
.727	-.0947									
.730									-.3811	
.750						.0190	.0345			
.760			-.2743							
.775				-.0383	-.0971					
.793	.0568									
.798		-.2511								
.808			-.0201							
.834		-.2258								
.839			-.0339							

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1285

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU03)

BETA0 (1) = -.030 ALPHA0(4) = .070

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.850					.0244	.0028	.0705			
.857				-.0113						
.862									-.1125	
.865		-.1499								
.879			-.0237							
.900		-.0992			.0186			.0907		
.905			-.0103							
.919			-.0252							
.950					.0274	.0847	.0758			
.953				.0001						
.955			-.0227							
.965		-.0131								
1.000				-.0580		-.0755		-.1038		

BETA0 (1) = -.035 ALPHA0(5) = 2.209

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.4358	-.0973	.0313	.3567	.5437	.4961	.4679	.3991	-.2934	
.010		-.1180	.0519	.2390	.1546	.1659	.0786	-.1550		
.020		-.1061	.0851	.1020	.0422	-.0183	-.0881	-.2273	-.5785	
.040			.0980	-.0165						
.041	-.4813									
.050		-.0467			-.2048	-.2948	-.3647	-.4588		
.069									-.6515	
.080					-.3955					
.081				-.1761						
.086			.1038							
.094		-.0267								
.113	-.1033									
.150					-.6193	-.6980	-.7012	-.7448		
.157									-.8817	
.163			.0385							
.177				-.4123						
.229		.0560								
.246			-.2134							
.247	-.0073									
.250					-.6614	-.7457	-.8912	-.9001		
.274				-.5787						
.345									-.8702	
.362		-.0336								
.390			-.4667							

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING TOP

(RETU03)

BETA0 (1) = -.028 ALPHA0(6) = 4.323

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4265	-.1427	-.0270	.3338	.5442	.4990	.4543	.3453	-.4461	
.010		-.1772	.0022	.1754	.0538	.0594	-.0698	-.3480		
.020		-.1570	.0412	.0242	-.0605	-.1291	-.2432	-.4479	-.7928	
.040			.0587	-.0913						
.041	-.4694									
.050		-.0837			-.3146	-.4142	-.5098	-.6375		
.069									-.8232	
.080					-.5075					
.081				-.2677						
.086			.0628							
.094		-.0457								
.113	-.1206									
.150					-.7110	-.7800	-.7958	-.8603		
.157									-1.0082	
.163			-.0071							
.177				-.4845						
.229		.0469								
.246			-.2689							
.247	-.0223									
.250					-.7548	-.9426	-.9257	-.9278		
.274				-.6533						
.345									-.9796	
.362		-.0628								
.390			-.5385							
.400					-.8207	-.9327		-.6308		
.402				-.7044						
.418									-1.0748	
.429	.0352									
.497		-.4170								
.503									-.8312	
.547	-.2233									
.550					-.2308	-.4157				
.565				-.1887						
.600								-.4902		
.637			-.1382							
.638	-.5058									
.650						-.5287				
.670								-.5793		
.700		-.1361				-.2623				
.725				-.1693						
.727	-.1837									
.730									-.5619	
.750						-.3753	-.3395			
.760				-.1759						
.775					-.0658	-.1904				

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TABLE A - PRESSURE SOURCE DATA TABULATION

PAGE 1288

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETV03)

BETAO (1) = -.028 ALPHAO(6) = 4.323

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.793	.0735								
	.798		-.1936							
	.808			-.0261						
	.834	-.1950								
	.839		-.0260							
	.850				.0001	-.0568	-.2016			
	.857			-.0136						
	.862								-.3380	
	.865	-.1316								
	.879		-.0090							
	.900	-.0708			.0105			-.1833		
	.905			-.0027						
	.919		-.0124							
	.950				.0378	.0739	-.0534			
	.953			.0176						
	.955		.0005							
	.965	.0153								
1.000			-.0203		.0054			-.1110		

BETAO (1) = .066 ALPHAO(7) = 6.247

[illegible]

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU03)

BETA0 (1) = .066 ALPHA0(7) = 6.247

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.8657	-1.0289	-.9136	-.8064		
.274				-.7297						
.345									-.6118	
.362		-.0973								
.390			-.5771							
.400					-.9235	-.8507		-.6660		
.402				-.8043						
.418									-.5840	
.429	.0182									
.497		-.4867								
.503									-.5403	
.547	-.2425									
.550					-.2314	-.5794				
.565				-.2446						
.600								-.5614		
.637			-.1710							
.638	-.5983									
.650							-.5816			
.670								-.4864		
.700		-.1532				-.3883				
.725					-.2065					
.727	-.2169									
.730									-.4460	
.750							-.4851	-.4972		
.760			-.1990							
.775				-.1671	-.2778					
.793	.0953									
.798		-.2113								
.808			-.0555							
.834		-.2093								
.839			-.0495							
.850				-.0598	-.1305	-.3595				
.857				-.0318						
.862								-.4043		
.865	-.1719									
.879		-.0515								
.900	-.0768			-.0333				-.4197		
.905			-.0259							
.919		-.0469								
.950				.0133	.0103	-.2312				
.953			.0002							
.955		-.0212								
.965	.0118									
1.000			-.0300		-.0868		-.3598			

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1290

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU04) (02 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 3.000
 ELV-IB = .000 ELV-OB = .000
 RUDDER = .000 SPOBRK = 55.000

BETA0 (1) = .066 ALPHA0(1) = -4.854

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CN										
.000	-.2901	-.2155	-.0339	.3704	.5005	.3844	.3272	.3400	-.1011	
.010		-.2340	.0013	.4279	.5202	.5027	.4899	.4574		
.020		-.2549	.0364	.3747	.4462	.4133	.4157	.4263	-.0715	
.040			.0591	.3066						
.041	-.3151									
.050		-.1836			.2624	.2320	.2451	.2684		
.069					.1093				-.1407	
.080										
.081				.1956						
.086			.2025							
.094		-.1030								
.113	-.2891									
.150					-.0887	-.0836	-.0346	-.0429		
.157									-.2739	
.163			.2674							
.177			-.0168							
.229		-.0649								
.246			.0539							
.247	-.1257									
.250					-.2133	-.2550	-.2424	-.2500		
.274				-.1707						
.345									-.1590	
.362		.1417								
.390			-.1259							
.400					.0398	-.0314		-.3221		
.402				-.1937						
.418									-.1339	
.429	.0677									
.497		-.0779								
.503									-.1231	
.547	.0435									
.550					.0699	-.0504				
.565				.1517						
.600								-.2472		
.637			.1819							
.638	-.0995									
.650										
.650						-.1644				
.670									-.1549	

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU04)

BETA0 (1) = .066 ALPHAO (2) = -3.849

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.1306	-.1414	-.1056	-.0952		
.157									-.3176	
.163			.2485							
.177				-.0356						
.229		-.0689								
.246			.0311							
.247	-.1356									
.250					-.2473	-.3000	-.3186	-.3019		
.274				-.1976						
.345									-.3261	
.362		.1334								
.390			-.1522							
.400					-.3243	-.4181		-.5103		
.402				-.2881						
.418									-.1623	
.429	.0752									
.497		-.0903								
.503									-.3658	
.547	.0313									
.550					.0559	-.0315				
.565				.1294						
.600								-.1710		
.637			.1604							
.638	-.1494									
.650							-.1372			
.670									-.0932	
.700		.1716				-.0817				
.725					-.0446					
.727	.1488									
.730									-.1836	
.750							-.0888	-.0034		
.760				-.0962						
.775					-.0147	-.1129				
.793	.2661									
.798			-.1132							
.808				.0112						
.834		-.0666								
.839			.0145							
.850					-.0327	-.1650	.0383			
.857				-.0222						
.862									.0443	
.865	-.0531									
.879		-.0399								
.900	-.0646				-.0952			.1340		
.905				-.0768						

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU04)

BETA0 (1) = .066 ALPHAO (2) = -3.849

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CH									
.919			-.1055						
.950					-.0246	.0801	.1237		
.953				-.0720					
.955			-.0371						
.965		.0038							
1.000			-.2523		-.3557		-.3571		

BETA0 (1) = .067 ALPHAO (3) = -1.842

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CH									
.000	-.2839	-.2319	-.0296	.4233	.5694	.4830	.4439	.4972	-.0271
.010		-.2617	-.0048	.4066	.4421	.4533	.4290	.3485	
.020		-.2832	.0279	.3168	.3473	.3261	.3168	.2955	-.1001
.040			.5379	.2303					
.041	-.2934								
.050		-.2014			.1472	.1056	.1086	.0976	
.069									-.1827
.080					-.0057				
.081				.0937					
.086			.1864						
.094		-.1521							
.113	-.2567								
.150					-.2106	-.2438	-.2077	-.2092	
.157									-.3772
.163			.2174						
.177				-.0900					
.229		-.0728							
.246			-.0121						
.247	-.3885								
.250					-.3125	-.3471	-.3505	-.3941	
.274				-.2594					
.345									-.4402
.362		.1183							
.390			-.1902						
.400					-.4223	-.5104		-.5987	
.402				-.3505					
.418									-.2293
.429	.0812								
.497		-.1126							
.503									-.5127
.547	.0117								

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(RETV04)

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU04)

BETA0 (1) = .067 ALPHA0(4) = .164

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.2309			.0612	.0252	.0080	-.0378		
.069									-.2576	
.080					-.1167					
.081				.0171						
.086			.1596							
.094		-.2063								
.113	-.2412									
.150					-.2843	-.3362	-.3129	-.3290		
.157									-.4573	
.163			.1795							
.177				-.1410						
.229		-.0761								
.246			-.0622							
.247	-.1889									
.250					-.3731	-.4558	-.4784	-.4857		
.274				-.2932						
.345									-.5533	
.362		.0960								
.390			-.2266							
.400					-.4768	-.5744		-.6751		
.402				-.3951						
.418									-.4410	
.429	.0785									
.497		-.1462								
.503									-.6314	
.547	-.0275									
.550					-.1144	-.4765				
.565				-.0252						
.600								-.6799		
.637			.0409							
.638	-.2287									
.650							-.5787			
.670									-.6756	
.700		.0381				-.1492				
.725					-.0701					
.727	-.0455									
.730									-.7985	
.750							-.0234	-.3092		
.760				-.1289						
.775					-.0117	-.1142				
.793	.1967									
.798			-.1426							
.808				.0034						
.834		-.0906								
.839			-.0114							

ORIGINAL PAGE IS
OF POOR QUALITY

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU04)

BETA0 (1) = .067 ALPHA0(4) = .164

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.0390	-.1160	.0970			
.857				-.0441						
.862									-.5122	
.865		-.0804								
.879			-.0566							
.900		-.0876			-.0800			-.1216		
.905				-.0970						
.919			-.1263							
.950					.0197	.0917	.1606			
.953				-.0722						
.955			-.0705							
.965		-.0250								
1.000				-.2879		-.3728		-.3218		

BETA0 (1) = .067 ALPHA0(5) = 2.192

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1763	-.2082	-.1287	.4087	.6247	.5967	.5864	.5419	-.0838	
.010		-.2526	-.0391	.3031	.2680	.3219	.2674	.0746		
.020		-.2639	-.0421	.1778	.1702	.1636	.1213	.0054	-.3092	
.040			.0008	.0667						
.041	-.2725									
.050		-.2576			-.0432	-.0742	-.1104	-.1863		
.069									-.3576	
.080					-.1930					
.081				-.0571						
.086			.1233							
.094		-.2558								
.113	-.2385									
.150					-.3565	-.3843	-.3758	-.4064		
.157									-.5428	
.163			.1346							
.177				-.2070						
.229		-.0912								
.246			-.1065							
.247	-.2207									
.250					-.4423	-.5393	-.5653	-.5596		
.274				-.3583						
.345									-.6622	
.362		.0690								
.390			-.2716							

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING TOP

(RETU04)

BETA0 (1) = .067 ALPHA0(5) = 2.192

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BH	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.400					-.5152	-.6347		-.7404		
.402				-.4369						
.418										-.6318
.429	.0790									
.497		-.1856								
.503									-.7416	
.547	-.0556									
.550					-.2096	-.6322				
.555				-.1115						
.600								-.7287		
.637			-.0439							
.638	-.2659									
.650							-.6741			
.670									-.8526	
.700	-.0559					-.1516				
.725					-.1269					
.727	-.1889									
.730										-.8659
.750							-.4954	-.5193		
.760				-.1544						
.775					-.0315	-.1625				
.793	.1829									
.798			-.1602							
.808				-.0096						
.834	-.0967									
.839		-.0276								
.850					-.0524	-.1247	.0433			
.857				-.0655						
.862									-.8100	
.865	-.1066									
.879		-.0699								
.900	-.0954				-.0983			-.2482		
.905			-.1168							
.919		-.1445								
.950					-.0272	.0423	.137			
.953			-.1186							
.955		-.0942								
.965	-.0562									
1.000			-.2802			-.3662		-.4022		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1298

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU04)

BETA0 (1) = .066 ALPHA0(6) = 4.200

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.1510	-.2155	-.2347	.3646	.6161	.5967	.5765	.5003	-.2242	
.010		-.2780	-.1785	.2272	.1570	.2151	.1292	-.0853		
.020		-.2850	-.1041	.0843	.0617	.0545	-.0090	-.1680	-.4966	
.040			-.0586	-.0186						
.041	-.2679									
.050		-.2720			-.1399	-.1777	-.2325	-.3297		
.069									-.5186	
.080					-.3006					
.081				-.1428						
.086			.0700							
.094		-.2877								
.113	-.2547									
.150					-.4441	-.5223	-.5058	-.5390		
.157									-.6545	
.163			.0860							
.177				-.2771						
.229		-.1070								
.246			-.1656							
.247	-.2518									
.250					-.5237	-.6224	-.6610	-.6486		
.274				-.4197						
.345									-.7781	
.362		.0448								
.390			-.3239							
.400					-.5818	-.7261		-.8028		
.402				-.4923						
.418									-.8109	
.429	.0725									
.497		-.2274								
.503									-.8432	
.547	-.0860									
.550					-.3297	-.7109				
.565				-.1994						
.600							-.7623			
.637			-.1457							
.638	-.3200									
.650						-.7715				
.670								-.9332		
.700		-.1168				-.3221				
.725				-.1750						
.727	-.3268									
.730										
.750							-.6138	-.6389		-.9499
.760			-.1653							
.775				-.1304	-.2331					

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1299

ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING TOP

(RETU04)

BETA0 (1) = .066 ALPHA0(6) = 4.200

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1705									
.798			-.1741							
.808				-.0183						
.834		-.0893								
.839			-.0351							
.850					-.0896	-.1419	-.4019			
.857				-.0694						
.862									-.9525	
.865		-.1421								
.879			-.0770							
.900		-.0868			-.1076			-.4223		
.905				-.1246						
.919			-.1640							
.950					-.0632	.0164	-.0526			
.953				-.1254						
.955			-.1142							
.965		-.0755								
1.000				-.2357		-.3378		-.4553		

BETA0 (1) = .066 ALPHA0(7) = 5.218

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1430	-.2227	-.3138	.3322	.6007	.5064	.5621	.4686	-.3022	
.010		-.2906	-.2332	.1754	.0929	.1562	.0642	-.1622		
.020		-.2934	-.1459	.0320	.0039	-.0004	-.0777	-.2449	-.5917	
.040			-.0904	-.0550						
.041	-.2666									
.050		-.2759			-.1908	-.2267	-.2931	-.4050		
.069									-.5975	
.080					-.3407					
.081				-.1992						
.086			.0437							
.094		-.2893								
.113	-.2576									
.150					-.5096	-.5647	-.5574	-.5925		
.157									-.7168	
.163			.0618							
.177				-.3158						
.229		-.1016								
.246			-.1893							
.247	-.2522									

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1300

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU04)

BETA0 (1) = .066 ALPHA0 (7) = 5.218

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BH	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.250					-.5579	-.6866	-.7021	-.6979		
.274				-.4518						
.345									-.7919	
.362		.0406								
.390			-.3448							
.400					-.6146	-.7620		-.8316		
.402				-.5118						
.418									-.8510	
.429	.0737									
.497		-.2418								
.503								-.8361		
.547	-.0997									
.550					-.4268	-.7498				
.565				-.2333						
.600								-.7856		
.637			-.1906							
.638	-.3406									
.650							-.7743			
.670									-.7592	
.700		-.2276				-.4070				
.725					-.1673					
.727	-.3661									
.730									-.7800	
.750							-.6334	-.6118		
.760				-.1714						
.775					-.1575	-.2577				
.793	.1646									
.798			-.1792							
.808				-.0236						
.834		-.0791								
.839			-.0444							
.850					-.1175	-.1429	-.4907			
.857				-.0727						
.862									-.7531	
.865	-.1544									
.879		-.0798								
.900		-.0786			-.1142			-.5124		
.905				-.1241						
.919			-.1712							
.950					-.0648	-.0078	-.2865			
.953				-.1295						
.955		-.1172								
.965	-.0766									
1.000				-.1990		-.3154		-.5600		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1301

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETV05) (02 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.250 RN/FT = 2.250
 ELV-1B = .000 ELV-0B = .000
 RUDDER = .000 SPDBRK = 55.000

BETA0 (1) = .069 ALPHA0(1) = -5.882

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3039	-.1303	-.2044	.1836	.4523	.3917	.3448	.3555	-.3116	
.010		-.1551	-.1673	.3002	.5352	.5324	.5160	.4757		
.020		-.1786	-.1448	.2806	.4740	.4579	.4563	.4509	-.2025	
.040			-.1336	.2391						
.041	-.2446									
.050		-.1783			.3139	.3010	.3025	.3148		
.069									-.2168	
.080					.1804					
.081				.1411						
.086			-.0050							
.094		-.1482								
.113	-.1809									
.150					-.0160	-.0189	.0303	.0378		
.157									-.2992	
.163			.1600							
.177				.0327						
.229		-.0664								
.246			-.0300							
.247	-.1222									
.250					-.1418	-.1619	-.1610	-.1533		
.274				-.1163						
.345									-.2950	
.362		.0332								
.390			-.1083							
.400					-.2826	-.3198		-.3791		
.402				-.2345						
.418									-.1901	
.423	-.0632									
.497		-.1087								
.503									-.3195	
.547	-.0403									
.550					-.0154	-.3417				
.565				.0853						
.600								-.4255		
.637			.1212							
.638	-.1181									
.650										
.670						-.3697			-.3516	

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1303

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU05)

BETA0 (1) = .070 ALPHA0(2) = -3.880

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.150					-.0830	-.0889	-.0550	-.0443		
.157									-.2956	
.163			.1275							
.177				-.0143						
.229		-.0797								
.246			-.0609							
.247	-.1581									
.250					-.2041	-.2143	-.2077	-.2051		
.274				-.1599						
.345									-.3134	
.362		.0087								
.390			-.1415							
.400					-.3289	-.3690		-.4299		
.402				-.2719						
.418									-.1406	
.429	-.0831									
.497		-.1241								
.503									-.3315	
.547	-.0571									
.550					-.1755	-.4034				
.565				-.0070						
.600								-.4630		
.637			.0547							
.638	-.1437									
.650						-.4369				
.670									-.3966	
.700		.0627				-.1214				
.725				-.0049						
.727	-.0062									
.730									-.2665	
.750							-.2883	-.4658		
.760				-.0355						
.775					.0904	-.0196				
.793	.2105									
.798			-.0716							
.808				.0863						
.834		-.0144								
.839			.0589							
.850					.0673	-.0438	-.0350			
.857				.0559						
.862									-.3267	
.865		.0090								
.875			.0204							
.900		.0018			-.0001			-.0943		
.905				.0091						

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1305

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU05)

BETA0 (1) = .070 ALPHA0(3) = -1.873

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW										
.550						-.3546	-.4443			
.565					-.1474					
.600									-.4956	
.637				-.0215						
.638	-.1698									
.650							-.4976			
.670									-.4744	
.700		-.0346				-.0866	-.2066			
.725										
.727	-.1507									
.730										-.4763
.750							-.4704	-.4838		
.760				-.0728						
.775						.0515	-.0909			
.793	.1785									
.798			-.0994							
.808				.0641						
.834		-.0433								
.839			.0279							
.850						.0582	-.0715	-.1448		
.857				.0350						
.862									-.4128	
.865		-.0405								
.879			.0024							
.900		-.0208				.0034			-.3154	
.905				-.0034						
.919			-.0490							
.950					-.0001	.0143	.0289			
.953				-.0187						
.955			.0060							
.965		.0473								
1.000				-.3165		-.4553		-.2965		

BETA0 (1) = .070 ALPHA0(4) = .113

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW										
.000	-.3194	-.1447	-.1747	.3526	.6149	.5741	.5347	.5320	.0830	
.010		-.1857	-.0961	.3229	.4047	.4483	.4135	.3072		
.020		-.2082	-.0755	.2226	.3119	.3131	.2897	.2585	-.0494	
.040			-.0658	.1275						
.041	-.2715									

ORIGINAL PAGE IS
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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU05)

BETA0 (1) = .070 ALPHA0(4) = .113

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/CW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.2188			.1053	.0936	.0767	.0741		
.069									-.1224	
.080					-.0455					
.081				.0224						
.086			-.0292							
.094		-.1892								
.113	-.1940									
.150					-.2275	-.2233	-.2001	-.1942		
.157									-.2988	
.163			.0913							
.177				-.1388						
.229		-.1033								
.246			-.1045							
.247	-.2113									
.250					-.3135	-.3715	-.3681	-.3498		
.274				-.2621						
.345									-.3827	
.362		-.0105								
.390			-.2086							
.400					-.4048	-.4747		-.5301		
.402				-.3533						
.418									-.2850	
.429	-.1018									
.497		-.1589								
.503									-.4640	
.547	-.0786									
.550					-.4273	-.5006				
.565				-.3219						
.600								-.5594		
.637			-.1714							
.638	-.1982									
.650							-.5459			
.670									-.5952	
.700		-.2035				-.4203				
.725					-.1336					
.727	-.2404									
.730										
.750							-.5354	-.5053		-.6356
.760				-.1154						
.775					-.0245	-.1944				
.792	-.1160									
.797			-.1230							
.808				.0563						
.834		-.0536								
.839			.0222							

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1307

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU05)

BETA0 (1) = .070 ALPHA0(4) = .113

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					.0252	-.0855	-.3652			
.857				.0265						
.862									-.5675	
.865	-.0414									
.879		-.0072								
.900	-.0240				-.0119			-.3991		
.905			-.0163							
.919		-.0554								
.950					-.0084	-.0207	-.0572			
.953			-.0291							
.955		-.0160								
.955	.0476									
1.000			-.3243		-.4473			-.4360		

BETA0 (1) = .070 ALPHA0(5) = 2.177

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3257	-.1714	-.1372	.3456	.6344	.6050	.5820	.5857	.0134	
.010		-.2124	-.1317	.2735	.3046	.3733	.3351	.2089		
.020		-.2193	-.1159	.1579	.2181	.2300	.2055	.1450	-.1703	
.040			-.1046	.0639						
.041	-.2991									
.050		-.1717			.0240	.0075	-.0069	-.0398		
.069									-.2182	
.080					-.1325					
.081				-.0574						
.086			-.0389							
.094		-.2078								
.113	-.2102									
.150					-.3075	-.3275	-.2915	-.2725		
.157									-.3796	
.163			.0609							
.177				-.1970						
.229		-.1252								
.246			-.1388							
.247	-.2011									
.250					-.4021	-.4480	-.4376	-.4106		
.274				-.3163						
.345									-.4792	
.362		-.0195								
.390			-.2497							

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IA81A - PRESSURE SOURCE DATA TABULATION

PAGE 1308

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(REU05)

BETA0 (1) = .070 ALPHA0(5) = 2.177

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE: CP

Y/BW	.2355	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.400							
.402							
.418							
.429	-.1016						
.497		-.1849					
.503							
.547	-.0898						
.550							
.565							
.600							
.637							
.638	-.2306						
.650							
.670							
.700							
.725							
.727	-.2825						
.730							
.750							
.760							
.775							
.793	.0589						
.798							
.808							
.834							
.839							
.850							
.857							
.862							
.865							
.879							
.900							
.905							
.919							
.950							
.953							
.955							
.965							
1.000							

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1309

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU05)

BETA0 (1) = .070 ALPHA0(6) = 4.185

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3324	-.1770	-.2266	.3285	.6319	.6225	.6134	.5752	-.0970	
.010		-.2239	-.1979	.1936	.2018	.2855	.2441	.0802		
.020		-.2176	-.1601	.0837	.1174	.1368	.1111	.0061	-.3186	
.040			-.1372	-.0111						
.041	-.3327									
.050		-.1801			-.0760	-.0750	-.0992	-.1578		
.069									-.3449	
.080					-.2121					
.081				-.1419						
.086			-.0688							
.094		-.2120								
.113	-.2097									
.150					-.3922	-.3976	-.3693	-.3714		
.157									-.4725	
.163			.0203							
.177				-.2487						
.229		-.1410								
.246			-.1708							
.247	-.1860									
.250					-.4727	-.5196	-.5055	-.4826		
.274				-.3619						
.345									-.5852	
.362		-.0312								
.390			-.2815							
.400					-.5082	-.6079		-.6275		
.402				-.4175						
.418									-.6248	
.429	-.1065									
.497		-.2085								
.503									-.6487	
.547	-.1028									
.550					-.5114	-.6076				
.565				-.3969						
.600								-.6484		
.637			-.3396							
.638	-.2608									
.650							-.6170			
.670									-.7897	
.700		-.3411				-.5803				
.725				-.1817						
.727	-.3187									
.730									-.8241	
.750							-.6123	-.6119		
.760				-.1609						
.775					-.0917	-.2744				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1311

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING TOP

(RETU05)

BETA0 (1) = .069 ALPHA0 (7) = 6.212

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5385	-.5860	-.5696	-.5540		
.274				-.4140						
.345									-.6721	
.362	-.0385									
.390		-.3215								
.400					-.5664	-.6742		-.6749		
.402				-.4481						
.418									-.6870	
.429	-.1109									
.497		-.2333								
.503									-.7202	
.547	-.1171									
.550					-.5461	-.6519				
.565				-.4238						
.600								-.6549		
.637			-.4089							
.638	-.2935									
.650						-.6486				
.670								-.8395		
.700		-.3844				-.6376				
.725				-.2113						
.727	-.3457									
.730									-.8487	
.750						-.6071	-.6428			
.760				-.2174						
.775					-.1542	-.3735				
.793	.0048									
.798		-.2107								
.808			-.1055							
.834	-.0657									
.839		-.0498								
.850					-.1231	-.1914	-.5207			
.857				-.0558						
.862								-.8395		
.865	-.1233									
.879		-.0475								
.900	-.0232				-.1237			-.5460		
.905			-.0626							
.919		-.0948								
.950					-.1167	-.1192	-.4458			
.953			-.0578							
.955		-.0650								
.965	-.0141									
1.000			-.1990		-.2902		-.4930			

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IA81A - PRESSURE SOURCE DATA TABULATION

PAGE 1312

ARC11-019 IA81 LVAP(SBHL SEALED) LEFT WING TOP

(RETU05)

BETA0 (1) = .069 ALPHA0 (8) = 7.214

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2737	-.1705	-.3504	.1954	.5848	.6078	.5923	.5106	-.2705	
.010		-.2451	-.3437	-.0047	.0220	.1360	.0706	-.1231		
.020		-.2367	-.2898	-.0954	-.0774	-.0124	-.0521	-.1863	-.5492	
.040			-.2588	-.1734						
.041	-.2784									
.050		-.1939			-.2347	-.2193	-.2522	-.3391		
.069									-.5638	
.080					-.3512					
.081				-.2802						
.086			-.1513							
.094		-.2144								
.113	-.1729									
.150					-.5242	-.5065	-.4891	-.5041		
.157									-.6303	
.163			-.0710							
.177				-.3561						
.229		-.1801								
.246			-.2381							
.247	-.1633									
.250					-.5803	-.6120	-.6000	-.5870		
.274				-.4461						
.345									-.7332	
.362		-.0516								
.390			-.3320							
.400					-.5952	-.6981		-.6903		
.402				-.4670						
.418									-.7025	
.429	-.1146									
.497		-.2462								
.503									-.8336	
.547	-.1274									
.550					-.5552	-.6660				
.565				-.4445						
.600								-.6725		
.637			-.4363							
.638	-.3060									
.650						-.6638				
.670								-.8362		
.700		-.3960				-.6670				
.725					-.2248					
.727	-.3553									
.730									-.8405	
.750							-.6191	-.6534		
.760			-.2436							
.775				-.1728	-.5453					

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IA81 LVAP(SBHL SEALED) LEFT WING TOP

(RETU05)

BETA0 (1) = .069 ALPHA0(8) = 7.214

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BH	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.793	-.0181									
.798			-.2197							
.808				-.1402						
.834		-.0635								
.839			-.0829							
.850					-.1649	-.3391	-.5480			
.857				-.0875						
.862								-.8286		
.865		-.1209								
.879			-.0571							
.900		-.0351			-.1608			-.4929		
.905				-.0896						
.919			-.0961							
.950					-.1376	-.0925	-.4764			
.953				-.0758						
.955			-.0700							
.965		-.0285								
1.000				-.1880		-.2848		-.4684		

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IASIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAS1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU06) (02 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .600 RN/FT = 2.250
 ELV-IB = 8.000 ELV-OB = 4.000
 RUDDER = .000 SPDBRK = .000

ALPHA0 (1) = -6.048 BETA0 (1) = -.007

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1563	-.0161	.0223	.1671	.2006	.0253	-.0849	-.0579	-.6389	
.010		.0026	.0638	.3039	.4181	.4029	.3872	.3404		
.020		-.0078	.0942	.2811	.3502	.3396	.3386	.3082	-.2748	
.040			.1097	.2084						
.041	-.0937									
.050		.0083			.1597	.1492	.1555	.1378		
.069									-.2506	
.080					.0004					
.081				.0878						
.086			.1683							
.094		.0000								
.113	-.0450									
.150					-.1764	-.1736	-.2477	-.1818		
.157									-.2363	
.163			.1560							
.177				-.1104						
.229		.0807								
.246			-.0491							
.247	.0104									
.250					-.2995	-.3297	-.3632	-.3695		
.274				-.2426						
.345									-.1998	
.362		.0440								
.390			-.1935							
.400					-.2788	-.3191		-.3652		
.402				-.2458						
.418									-.3457	
.429	.0586									
.497		-.1577								
.503									-.2242	
.547	-.0763									
.550					-.2337	-.2765				
.566				-.1656						
.600								-.2827		
.637			-.1211							
.638	-.1665									
.650							-.2377			
.670									-.1391	

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1AB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETURN)

ALPHA0 (1) = -6.048 BETA0 (1) = -.007

SECTION (1) LEFT WING TOP			DEPENDENT VARIABLE CP							
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.700		-.0927				-.2057				
.725					-.2209					
.727	-.0892									
.730										-.2105
.750							-.2647	-.1564		
.760				-.2320						
.775					-.4365	-.2828				
.793	.0192									
.798			-.2206							
.808				-.3000						
.834		-.2036								
.839			-.2799							
.850					-.1137	-.0688	-.0310			
.857				-.1465						
.862									.0010	
.865		-.3712								
.879			-.1603							
.900		-.1773			-.0495			.0398		
.905				-.0858						
.919			-.1042							
.950					.0131	.0079	.0617			
.953				-.0302						
.955			-.0706							
.965		-.1246								
1.000				-.0016		.0515		.0568		

ALPHA0(2) = -4.013 BETAO (1) = -4.061

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1316

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(REU06)

ALPHA0(2) = -4.013 BETA0(1) = -4.061

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.150					-.3212	-.3310	-.4135	-.3140			
.157									-.2668		
.163			.1001								
.177				-.2261							
.229		.0775									
.246			-.1270								
.247	.0117										
.250					-.4061	-.4558	-.4952	-.4885			
.274				-.3341							
.345									-.2594		
.362		-.0004									
.390			-.2653								
.400					-.3144	-.3816		-.4307			
.402				-.2849							
.418									-.1702		
.429	.0417										
.497		-.2108									
.503									-.2952		
.547	-.1214										
.550					-.2284	-.2779					
.565				-.1584							
.600								-.3014			
.637			-.1068								
.638	-.1929										
.650							-.2317				
.670									-.1957		
.700		-.0741				-.1884					
.725					-.2035						
.727	-.0781										
.730									-.1892		
.750							-.2533	-.1547			
.760				-.2140							
.775					-.4029	-.2716					
.793	.0464										
.798			-.2041								
.808				-.2626							
.834		-.1819									
.839			-.2467								
.850					-.0852	-.0442	-.0189				
.857				-.1150							
.862									-.0172		
.865		-.3443									
.879			-.1329								
.900		-.1864			-.0295			.0451			
.905				-.0576							

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(RETU06)

.503
547

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ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU06)

ALPHA0 (2) = -3.984 BETA0 (2) = .011

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP							
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870 .9720 1.0000
X/CW									
.550						-.2616	-.3017		
.565					-.1939				
.600								-.3047	
.637				-.1474					
.638	-.1999								
.650							-.2492		
.670									-.1676
.700		-.1129				-.2119			
.725					-.2330				
.727	-.1110								
.730									-.1813
.750							-.2733	-.1661	
.760				-.2361					
.775					-.4361	-.2943			
.793	.0033								
.798			-.2243						
.808				-.3021					
.834		-.2127							
.839			-.2815						
.850					-.1151	-.0682	-.0395		
.857				-.1490					
.862									-.0054
.865		-.3646							
.879			-.1586						
.900		-.1868				-.0527		.0329	
.905				-.0888					
.919			-.1093						
.950					.0097	.0053	.0549		
.953				-.0372					
.955			-.0748						
.965		-.1295							
1.000				-.0040		.0510		.0618	

ALPHA0 (2) = -3.968 BETA0 (3) = 4.081

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP							
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870 .9720 1.0000
X/CW									
.000	-.2160	-.0490	.0271	.1917	.2562	.1371	.0684	.0802	-.4239
.010		-.0454	.0549	.2539	.3176	.3179	.3004	.2245	
.020		-.0506	.0747	.2077	.2408	.2217	.2178	.1769	-.2658
.040			.0859	.1271					
.041	-.1526								

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU06)

ALPHA0(2) = -3.968 BETA0 (3) = 4.081

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.0339			.0533	.0192	.0180	-.0108		
.069									-.2833	
.080					-.1053					
.081				.0114						
.086			.1234							
.094		.0000								
.113	-.0922									
.150					-.2649	-.2790	-.3598	-.2968		
.157									-.2907	
.163			.0950							
.177				-.1765						
.229		.0482								
.246			-.1033							
.247	-.0230									
.250					-.3682	-.4149	-.4502	-.4546		
.274				-.2969						
.345									-.2399	
.362		-.0005								
.390			-.2513							
.400					-.3416	-.3869		-.4198		
.402				-.3049						
.418									-.2248	
.429	.0259									
.497		-.2069								
.503									-.2526	
.547	-.1229									
.550					-.2921	-.3233				
.565				-.2285						
.600								-.3047		
.637			-.1824							
.638	-.2207									
.650						-.2631				
.670									-.1513	
.700		-.1581				-.2431				
.725					-.2692					
.727	-.1515									
.730									-.1714	
.750							-.2901	-.1712		
.760				-.2799						
.775					-.4863	-.3233				
.793	-.0350									
.798			-.2657							
.808				-.3532						
.834		-.2551								
.839			-.3318							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAPIE(LHL UNSEALED) LEFT WING TOP

(RETU06)

ALPHA(2) = -3.968 BETA(3) = 4.081

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-1.1575	-1.1017	-1.0517			
.857				-1.1887						
.862									.0033	
.865		-1.4169								
.879			-1.2049							
.900		-1.2318			-1.0941			.0272		
.905				-1.1319						
.919			-1.1500							
.950					-1.0276	-1.0199	.0455			
.953				-1.0756						
.955			-1.1111							
.965		-1.1716								
1.000				-1.0484		.0271		.0525		

ALPHA(3) = .074 BETA(1) = -6.097

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-1.0988	.0253	.0984	.3698	.5530	.5356	.5165	.4865	-1.0614	
.010		-1.073	.0952	.2567	.1301	.1582	.0893	-1.1267		
.020		-1.0207	.0985	.0876	-1.0151	-1.0484	-1.1132	-1.2070	-1.3461	
.040			.1053	-1.0777						
.041	-1.0745									
.050		-1.0119			-1.2860	-1.3448	-1.3955	-1.4354		
.069									-1.4212	
.080					-1.4762					
.081				-1.2728						
.086			.0830							
.094		.0000								
.113	-1.0517									
.150					-1.5784	-1.6586	-1.7485	-1.6276		
.157									-1.5362	
.163			-1.0498							
.177				-1.4524						
.229		.0310								
.246			-1.2868							
.247	-1.0109									
.250					-1.5874	-1.6702	-1.7364	-1.7555		
.274				-1.4614						
.345									-1.5100	
.362		-1.1101								
.390			-1.3771							

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1321

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU06)

ALPHA(3) = .074 BETA(1) = -6.097

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.400					-.3699	-.4652		-.5780		
.402				-.3496						
.418										-.3058
.429	-.0104									
.497		-.3187								
.503									-.4289	
.547	-.2176									
.550					-.2466	-.3124				
.565				-.1604						
.600								-.3559		
.637			-.0992							
.638	-.2590									
.650							-.2484			
.670									-.3574	
.700		-.0854				-.1860				
.725					-.1836					
.727	-.0982									
.730										-.7936
.750							-.2442	-.1875		
.760				-.1890						
.775					-.3651	-.2529				
.793	.0676									
.798			-.1841							
.808				-.2176						
.834		-.1693								
.839			-.2155							
.850					-.0582	-.0206	-.0180			
.857				-.0814						
.862									-.1632	
.865		-.3316								
.879			-.1095							
.900		-.1172			-.0043			.0230		
.905				-.0319						
.919			-.0579							
.950					.0576	.0463	.0785			
.953				.0160						
.955			-.0196							
.965		-.0627								
1.000				.0424		.0688		.0515		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU06)

ALPHA0(3) = .072 BETA0 (2) = -4.067

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.1335	-.0047	.0739	.3461	.5195	.4962	.4804	.4488	-.0990		
.010		-.0311	.0797	.2459	.1453	.1761	.1014	-.1070			
.020		-.0383	.0914	.0946	-.0017	-.0315	-.0951	-.1858	-.3417		
.040			.0988	-.0467							
.041	-.0999										
.050		-.0254			-.2583	-.3311	-.3679	-.4143			
.069									-.4116		
.080					-.4581						
.081				-.2270							
.086			.0781								
.094		.0000									
.113	-.0725										
.150					-.5618	-.6363	-.7145	-.6094			
.157									-.5209		
.163			-.0412								
.177				-.4153							
.229		.0233									
.246			-.2739								
.247	-.0270										
.250					-.5756	-.6522	-.7209	-.7397			
.274				-.4712							
.345									-.4783		
.362		-.1015									
.390			-.3773								
.400					-.3813	-.4878		-.5687			
.402				-.3647							
.418										-.3010	
.429	-.0176										
.497		-.3155									
.503									-.4053		
.547	-.2179										
.550					-.2653	-.3269					
.565				-.1822							
.600								-.3560			
.637			-.1276								
.638	-.2691										
.650							-.2586				
.670									-.3417		
.700		-.1041			-.2003						
.725				-.2060							
.727	-.1206										
.730										-.7436	
.750							-.2586	-.1858			
.760			-.2023								
.775				-.4014	-.2728						

PAGE 1323

(RETV06)

.247

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1324

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETO05)

ALPHA0 (3) = .076 BETA0 (3) = -.005

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8970	.9720	1.0000
X/CW										
.250					-.5429	-.6176	-.6677	-.8853		
.274				-.4472						
.345									-.4055	
.362		-.0972								
.390			-.3672							
.400					-.4156	-.4882		-.5352		
.402				-.3672						
.418										-.2777
.429	-.0224									
.497		-.3078								
.503									-.3596	
.547	-.2089									
.550					-.2930	-.3422				
.565				-.2254						
.600								-.3456		
.637			-.1698							
.638	-.2731									
.650						-.2730				
.670								-.2816		
.700		-.1463			-.2389	-.2225				
.725										
.727	-.1493									
.730										-.6101
.750						-.2767	-.1812			
.760				-.2312						
.775					-.4278	-.2942				
.793	-.0135									
.798			-.2246							
.808				-.2820						
.834		-.2105								
.839			-.2656							
.850					-.1105	-.0633	-.0377			
.857				-.1348						
.862									-.1071	
.865		-.3518								
.879			-.1549							
.900		-.1862			-.0489			.0232		
.905				-.0788						
.919			-.1054							
.950					.0131	.0168	.0604			
.953				-.0270						
.955			-.0671							
.965		-.1215								
1.000				.0069		.0483		.0363		

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IA81A - PRESSURE SOURCE DATA TABULATION

PAGE 1325

ARC11-019 IA81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU06)

ALPHA(3) = .087 BETA(4) = 4.063

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.2392	-.1099	-.0157	.2351	.3873	.3505	.3313	.3129	-.1843	
.010		-.1130	.0083	.1726	.1341	.1503	.1033	-.0677		
.020		-.1057	.0333	.0725	.0210	-.0099	-.0565	-.1356	-.3387	
.040			.0391	-.0361						
.041	-.1878									
.050		-.0753			-.1915	-.2533	-.2892	-.3315		
.069					-.3494				-.3882	
.080										
.081				-.1701						
.086			.0461							
.094		.0000								
.113	-.1292									
.150					-.4624	-.5273	-.6144	-.5321		
.157									-.4324	
.163			-.0194							
.177				-.3390						
.229		.0060								
.246			-.2313							
.247	-.0499									
.250					-.5196	-.5853	-.6450	-.6530		
.274				-.4243						
.345									-.3724	
.362		-.0881								
.390			-.3463							
.400					-.4258	-.4793		-.5263		
.402				-.3862						
.418									-.3159	
.429	-.0231									
.457		-.3007								
.503									-.3381	
.547	-.2013									
.550					-.3277	-.3618				
.565				-.2612						
.600								-.3420		
.637			-.2122							
.638	-.2809									
.650						-.2845				
.670								-.2528		
.700		-.1874				-.2501				
.725				-.2731						
.727	-.1884									
.730									-.5927	
.750					-.2972	-.1867				
.760			-.2728							
.775				-.4724	-.3250					

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1327

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU06)

ALPHA(3) = .090 BETA(5) = 6.100

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.250					-.4979	-.5677	-.6072	-.6253		
.274				-.4074						
.345									-.3431	
.362		-.0812								
.390			-.3403							
.400					-.4185	-.4777		-.4968		
.402				-.3745						
.418										-.3076
.429	-.0241									
.497		-.2921								
.503									-.3209	
.547	-.1964									
.550					-.3450	-.3673				
.555				-.2729						
.600								-.3311		
.637			-.2307							
.638	-.2859									
.650							-.2826			
.670									-.2169	
.700		-.1998				-.2532				
.725					-.2779					
.727	-.2000									
.730										-.5682
.750							-.3005	-.1775		
.760				-.2867						
.775					-.4862	-.3272				
.793	-.0793									
.798			-.2734							
.808				-.3436						
.834		-.2615								
.839			-.3252							
.850					-.1608	-.0995	-.0558			
.857				-.1953						
.862									-.0627	
.865	-.3998									
.879		-.2078								
.900	-.2351				-.0963				.0225	
.905				-.1379						
.919			-.1582							
.950					-.0351	-.0309	.0468			
.953				-.0800						
.955		-.1219								
.965	-.1802									
1.000				-.0528		.0193		.0483		

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1328

ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU06)

ALPHA(4) = 4.240 BETA(1) = -4.061

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1412	-.0627	-.0274	.2853	.4762	.4337	.3732	.2259	-.4226	
.010		-.1194	-.0263	.0482	-.2103	-.2450	-.4223	-.7962		
.020		-.1188	-.0140	-.1403	-.3569	-.4674	-.6274	-.8634	-.8934	
.040			-.0050	-.2912						
.041	-.1261									
.050		-.0840			-.6121	-.7444	-.8786	-.9692		
.069									-.8860	
.080					-.7869					
.081				-.4765						
.086			-.0412							
.094		.0000								
.113	-.0980									
.150					-.8007	-.9303	-1.0754	-.9422		
.157									-.9435	
.163			-.1938							
.177				-.6110						
.229		-.0302								
.246			-.4247							
.247	-.0476									
.250					-.7459	-.8615	-.9543	-.9957		
.274				-.6105						
.345									-.8744	
.362		-.1924								
.390			-.4801							
.400					-.4656	-.5407		-.7470		
.402				-.4342						
.418										-1.0954
.429	-.0663									
.497		-.4065								
.503									-.8131	
.547	-.3217									
.550					-.2846	-.3605				
.565				-.2033						
.600								-.4274		
.637			-.1575							
.638	-.3383									
.650						-.2876				
.670									-.7983	
.700		-.1427				-.2097				
.725					-.1959					
.727	-.1594									
.730										-1.7512
.750							-.2644	-.2372		
.760				-.1975						
.775					-.3488	-.2598				

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1330

ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU06)

ALPHA(4) = 4.239 BETA(2) = -.008

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.250					-.6970	-.8054	-.8826	-.9097		
.274				-.5696						
.345									-.7277	
.362		-.1765								
.390			-.4571							
.400					-.4632	-.5303		-.6895		
.402				-.4372						
.418										-.9964
.429	-.0667									
.497		-.3913								
.503									-.6920	
.547	-.3090									
.550					-.3120	-.3711				
.565				-.2369						
.600								-.4032		
.637			-.1900							
.638	-.3389									
.650						-.2880				
.670								-.7015		
.700		-.1688				-.2218				
.725				-.2151						
.727	-.1812									
.730									-.15177	
.750						-.2749	-.2185			
.760				-.2164						
.775					-.3868	-.2857				
.793	.0003									
.798			-.2090							
.808				-.2500						
.834		-.2002								
.839			-.2492							
.850					-.0912	-.0495	-.0448			
.857				-.1233						
.862								-.4721		
.865	-.3651									
.879		-.1450								
.900	-.1765				-.0359			-.0128		
.905			-.0654							
.919			-.0884							
.950					.0189	.0196	.0585			
.953			-.0228							
.985		-.0445								
.965	-.1013									
1.000			.0035		.0538		.0166			

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1331

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU06)

ALPHA(4) = 4.236 BETAC (3) = 4.070

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8970	.9720	1.0000
X/CW										
.000	-.2825	-.2086	-.1389	.1662	.3769	.3426	.3014	.1683	-.4924	
.010		-.2132	-.0937	.0078	-.1505	-.1771	-.3358	-.6404		
.020		-.1805	-.0559	-.1159	-.2702	-.3636	-.4962	-.6991	-.7746	
.040			-.0463	-.2311						
.041	-.2231									
.050		-.1296			-.4707	-.5975	-.6964	-.8080		
.069									-.7551	
.080					-.6216					
.081				-.3743						
.086			-.0458							
.094		.0000								
.113	-.1539									
.150					-.6731	-.7722	-.9041	-.8047		
.157									-.7641	
.163			-.1448							
.177				-.4996						
.229		-.0426								
.246			-.3423							
.247	-.0756									
.250					-.6715	-.7679	-.8419	-.8638		
.274				-.5424						
.346									-.6231	
.362		-.1650								
.390			-.4338							
.400					-.4693	-.5431		-.6538		
.402				-.4420						
.418									-.10433	
.429	-.0725									
.497		-.3830								
.503									-.6268	
.547	-.2948									
.550					-.3459	-.3843				
.565				-.2712						
.600								-.3932		
.637			-.2321							
.638	-.3478									
.650						-.2966				
.670									-.5915	
.700		-.2097				-.2477				
.725				-.2547						
.727	-.2070									
.730									-.13654	
.750							-.2887	-.2162		
.760				-.2559						
.775					-.4238	-.3139				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1332

APC11-019 [A8] LVAP(ELHL UNSEALED) LEFT WING TOP

(RETV06)

ALPHA0 4) = 4.236 BETA0 (3) = 4.070

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BN	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	-.0527									
.798			-.2427							
.808				-.2934						
.834		-.2413								
.839			-.2937							
.850					-.1254	-.0690	-.0550			
.857				-.1624						
.862									-.4887	
.865		-.4059								
.879			-.1896							
.900		-.2117			-.0655			-.0097		
.905				-.1086						
.919			-.1254							
.950					-.0163	-.0002	.0466			
.953				-.0615						
.955			-.0866							
.965		-.1531								
1.000				-.0350		.0366		.0199		

ALPHAO(5) = 8.382 BETA0 (1) = -.008

[illegible]

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IA81A - PRESSURE SOURCE DATA TABULATION

PAGE 1333

ARC11-019 IA81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU06)

ALPHA(5) = 8.382 BETA(1) = -.008

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.8420	-1.0272	-1.1417	-1.1879		
.274				-.6989						
.345								-1.1479		
.362		-.2638								
.390			-.5350							
.400					-.5317	-.6249		-.7688		
.402				-.4847						
.416									-2.1324	
.429	-.1290									
.497		-.5033								
.503								-1.0225		
.547	-.4110									
.550					-.3251	-.3983				
.565				-.2601						
.600								-.5083		
.637			-.2286							
.638	-.4141									
.650						-.3248				
.670								-1.4130		
.700		-.2127				-.2288				
.725					-.2125					
.727	-.1894									
.730									-1.6281	
.750							-.2932	-.3186		
.760				-.2236						
.775					-.3102	-.2662				
.793	.0213									
.798			-.2111							
.808				-.2484						
.834		-.2090								
.839			-.2683							
.850					-.0961	-.0525	-.0766			
.857				-.1295						
.862									-1.1974	
.865	-.4150									
.879		-.1455								
.900	-.1693				-.0531			-.0869		
.905				-.0771						
.919		-.0990								
.950					-.0106	.0143	.0264			
.953			-.0233							
.955		-.0460								
.965	-.0929									
1.000			.0000			.0385		-.0644		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1334

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETN06)

ALPHA0(6) = 10.453 BETA0 (1) = .004

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2447	-.3246	-.3726	.0024	.1935	.0529	-.1682	-.5883	-1.7825	
.010		-.3892	-.3270	-.3300	-.7790	-1.0408	-1.5058	-2.1877		
.020		-.3319	-.2633	-.5186	-.8680	-1.2119	-1.6316	-2.3016	-2.0741	
.040			-.2427	-.6343						
.041	-.2011									
.050		-.2234			-1.0824	-1.4299	-1.7606	-2.0607		
.069									-2.1310	
.080					-1.2195					
.081				-.7796						
.086			-.2469							
.094		.0000								
.113	-.1589									
.150					-1.0877	-1.3322	-1.5384	-1.1503		
.157									-1.6825	
.163			-.3848							
.177				-.8140						
.229		-.1041								
.246			-.5857							
.247	-.1056									
.250					-.9146	-1.0577	-1.1857	-1.3516		
.274				-.7479						
.345									-1.2309	
.362		-.2924								
.390			-.5658							
.400					-.5482	-.6591		-.8471		
.402				-.5001						
.418									-2.6039	
.429	-.1458									
.497		-.5289								
.503									-1.1056	
.547	-.4424									
.550					-.3348	-.4153				
.565				-.2729						
.600								-.5561		
.637			-.2454							
.638	-.4361									
.650						-.3443				
.670									-1.9115	
.700		-.2275				-.2445				
.725				-.2228						
.727	-.1995									
.730									-1.6763	
.750						-.3086	-.3924			
.760			-.2354							
.775				-.3174	-.2550					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU06)

ALPHA0(6) = 10.453 BETA0 (1) = .004

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0158									
.798			-.2315							
.808				-.2713						
.834		-.1917								
.839			-.2983							
.850					-.1103	-.0648	-.1025			
.857				-.1493						
.862									-1.4330	
.865		-.4132								
.879			-.1689							
.900		-.1554			-.0448			-.1368		
.905				-.0970						
.919			-.1148							
.950					-.0020	.0056	-.0011			
.953				-.0358						
.955			-.0576							
.965		-.0781								
1.000				.0069		.0278		-.0781		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07) (02 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .900 RN/FT = 2.250
 ELV-1B = 8.000 ELV-08 = 4.000
 RUDDER = .000 SPDBRK = .000

ALPHA0 (1) = -11.207 BETA0 (1) = -4.037

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4343	.0299	.0870	.3104	.4243	.3164	.2586	.2705	-.5070	
.010		.0529	.1400	.4287	.5164	.5128	.4939	.4001		
.020		.0435	.1797	.3868	.4337	.4181	.4125	.3600	-.2761	
.040			.1946	.2980						
.041	-.3488									
.050		.0745			.2215	.2051	.2035	.1648		
.069									-.3562	
.080					.0503					
.081				.1597						
.086			.2531							
.094		.0000								
.113	-.0019									
.150					-.1532	-.1494	-.1213	-.2052		
.157									-.4422	
.163			.2366							
.177				-.0852						
.229		.1414								
.246			.0113							
.247	.0571									
.250					-.3033	-.3577	-.4039	-.4515		
.274				-.2632						
.345									-.3687	
.362		.1164								
.390			-.1945							
.400					-.2275	-.3732		-.6085		
.402				-.2172						
.418									-.3277	
.429	.1400									
.497		-.1261								
.503									-.3582	
.547	-.0178									
.550					-.1794	-.3430				
.565				-.0751						
.600								-.4774		
.637			-.0209							
.638	-.1354									
.650						-.3811				
.670									-.4258	

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA(1) = -8.684 BETA(2) = -2.018

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.1193	-.1196	-.0891	-.1971		
.157									-.4615	
.163			.2361							
.177				-.0612						
.229		.1277								
.246			.0190							
.247	.0447									
.250					-.2720	-.3221	-.3654	-.4355		
.274				-.2308						
.345									-.3892	
.362		.1121								
.390			-.1745							
.400					-.2116	-.3635		-.5883		
.402				-.2049						
.418										-.3655
.429	.1292									
.497		-.1218								
.503									-.4093	
.547	-.0170									
.550					-.1889	-.3504				
.565				-.0898						
.600								-.4993		
.637			-.0408							
.638	-.1316									
.650							-.4183			
.670									-.3517	
.700		-.0112				-.3202				
.725					-.2535					
.727	-.0113									
.730										-.4037
.750							-.5063	-.4235		
.760				-.2567						
.775					-.7627	-.5854				
.793	.0957									
.798			-.2638							
.808				-.7607						
.834		-.2443								
.839			-.7562							
.850					-.2777	-.2973	-.0868			
.857				-.3316						
.862									.0084	
.865		-.7136								
.879			-.3271							
.900		-.3645			-.0889			.0420		
.905				-.1399						

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(RETR07)

DEPENDENT VARIABLE CP

DEPENDENT VARIABLE CP

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1341

ARC11-019 IAB1 L'AP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA0(1) = -6.115 BETA0(4) = 2.098

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		.0378			.2175	.1971	.1979	.1405		
.069					.0772				-.4509	
.080										
.081				.1591						
.086			.2001							
.094		.0000								
.113	-.0792									
.150					-.1015	-.0938	-.0555	-.1844		
.157									-.4934	
.163			.2112							
.177				-.0382						
.229		.1158								
.246			.0170							
.247	.0450									
.250					-.2429	-.2798	-.3262	-.4030		
.274				-.1992						
.345									-.4225	
.362		.1071								
.390			-.1507							
.400					-.2181	-.3509		-.5713		
.402				-.1903						
.418									-.4165	
.429	.1149									
.497		-.1015								
.503									-.4429	
.547	-.0130									
.550					-.2301	-.3675				
.565				-.1239						
.600								-.5361		
.637			-.0844							
.638	-.1171									
.650						-.4772				
.670								-.5127		
.700		-.0488				-.3726				
.725					-.3111					
.727	-.0427									
.730									-.4134	
.750						-.6378	-.6413			
.760			-.3034							
.775					-.8239	-.6728				
.793	.0435									
.798		-.3047								
.808			-.8076							
.834	-.2898									
.839		-.8315								

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1342

ARC11-019 IAB1-LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA0(1) = -6.115 BETA0 (4) = 2.098

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.5103	-.3481	-.2119			
.857				-.5312						
.862									-.0033	
.865		-.7713								
.879			-.4535							
.900		-.4232			-.1999			-.0053		
.905				-.2184						
.919			-.2614							
.950					-.1015	-.2509	-.0126			
.953				-.1403						
.955			-.1961							
.965		-.2879								
1.000				-.1061		-.0478		.0689		

ALPHA0(1) = -6.107 BETA0 (5) = 4.143

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5234	-.0270	.0683	.2297	.2813	.1099	.0314	.0299	-.4593	
.010		-.0099	.0935	.3257	.4332	.3868	.3607	.2962		
.020		-.0083	.1211	.3114	.3778	.3309	.3220	.2659	-.4310	
.040			.1345	.2529						
.041	-.2256									
.050		.0271			.2220	.1895	.1816	.1283		
.069									-.4755	
.080					.0778					
.081				.1581						
.086			.1873							
.094		.0000								
.113	-.1604									
.150					-.0925	-.0803	-.0541	-.1876		
.157									-.5100	
.163			.2035							
.177				-.0278						
.229		.1102								
.246			.0253							
.247	.0565									
.250					-.2236	-.2674	-.3161	-.4024		
.274				-.1799						
.345									-.4330	
.362		.1003								
.390			-.1296							

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA0(1) = -6.107 BETA0(5) = 4.143

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.400					-.2240	-.3451		-.5691			
.402				-.1850							
.418										-.4300	
.429	.1121										
.497		-.0847									
.503									-.4519		
.547	-.0018										
.550					-.2422	-.3769					
.565				-.1385							
.600								-.5536			
.637			-.1020								
.638	-.1055										
.650							-.4949				
.670									-.5409		
.700		-.0709				-.3870					
.725					-.3341						
.727	-.0583										
.730										-.4211	
.750							-.6644	-.6528			
.760				-.3112							
.775					-.8357	-.7407					
.793	.0199										
.798			-.3160								
.808				-.8327							
.834		-.3047									
.839			-.8360								
.850					-.6282	-.4045	-.2441				
.857				-.5624							
.862									.0019		
.865		.7782									
.879			-.4725								
.900		-.4404			-.2368			-.0213			
.905				-.2634							
.919											
.950					-.1351	-.2340	-.0247				
.953				-.1748							
.955			-.2234								
.965		-.3237									
1.000				-.1373		-.0700		.0580			

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ARC11-019 IAS: LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA0(2) = -4.084 BETA0 (1) = -6.127

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW											
.000	-.3843	.0473	.1402	.4040	.5490	.4714	.4348	.4293	-.3039		
.010		.0534	.1744	.4425	.4662	.4892	.4595	.3300			
.020		.0386	.2011	.3539	.3550	.3412	.3287	.2674	-.2071		
.040			.2125	.2327							
.041	-.2622										
.050		.0648			.1046	.0831	.0767	.0305			
.069									-.3263		
.080					-.0899						
.081				.0677							
.086			.2381								
.094		.0000									
.113	-.0285										
.150					-.3085	-.3098	-.2708	-.3420			
.157									-.5732		
.163			.1775								
.177				-.2139							
.229		.1331									
.246			-.0714								
.247	.0443										
.250					-.4589	-.5536	-.5902	-.5751			
.274				-.3701							
.345									-.6122		
.362		.0741									
.390			-.3053								
.400					-.2896	-.4481		-.8028			
.402				-.3135							
.418										-.3233	
.429	.1202										
.497		-.2037									
.503									-.5799		
.547	-.0802										
.550					-.1851	-.3469					
.565				-.0754							
.600								-.4006			
.637			-.0238								
.638	-.2257										
.650							-.2546				
.670								-.2951			
.700		.0101				-.2022					
.725					-.1990						
.727	-.0142										
.730										-.4471	
.750							-.4500	-.2088			
.760				-.2093							
.775					-.7365	-.5017					

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(RETU07)

DEPENDENT VARIABLE CP

X/CW

. 1256

1230

DEPENDENT VARIABLE CP

X/CH

4185

-.4185

- .4355

• 1333

- .0357

9304

.0384

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IA81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU071)

ALPHA(2) = -4.075 BETA(2) = -4.085

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/2W	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4295	-.5137	-.5513	-.5550		
.274				-.3437						
.345									-.5509	
.362		.0785								
.390			-.2789							
.400					-.2905	-.4114		-.7239		
.402				-.3042						
.418										-.3473
.429	.1147									
.497		-.1925								
.503									-.5578	
.547	-.0761									
.550					-.2064	-.3641				
.565				-.0893						
.600								-.5447		
.637			-.0388							
.639	-.2213									
.650						.4273				
.670								-.3016		
.700		-.0063				-.3133				
.725					-.2552					
.727	-.0270									
.730										-.5325
.750							-.4361	-.3194		
.760				-.2437						
.775					-.7528	-.5702				
.793	.1049									
.798			-.2465							
.808				-.7319						
.834		-.2242								
.839			-.7229							
.850					-.2410	-.3079	-.0607			
.857				-.2828						
.862									-.0182	
.865		-.6766								
.879			-.3031							
.900		-.3464			-.0713			.0545		
.905				-.1131						
.919			-.1508							
.950					.0120	-.0160	.0660			
.953				-.0438						
.955			-.0966							
.965		-.2005								
1.000				-.0081		.0691		.0865		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA(2) = -4.057 BETA(3) = .023

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4696	.0089	.0907	.3123	.4070	.2971	.2439	.2447	-.4315	
.010		.0089	.1203	.3677	.4219	.4225	.4002	.3002		
.020		.0021	.1448	.3049	.3333	.3169	.3040	.2516	-.3188	
.040			.1582	.2145						
.041	-.5126									
.050		.0280			.1218	.1006	.0962	.0505		
.069									-.4005	
.080					-.0406					
.081				.0861						
.086			.1972							
.094		.0000								
.113	-.0344									
.150					-.2232	-.2247	-.2001	-.3004		
.157									-.5418	
.163			.1783							
.177				-.1428						
.229		.1076								
.246			-.0426							
.247	.0261									
.250					-.3685	-.4239	-.4700	-.5282		
.274				-.3053						
.345									-.4777	
.362		.0742								
.390			-.2343							
.400				-.2790	-.4118			-.6716		
.402				-.2681						
.418									-.3803	
.429	.0982									
.497		-.1682								
.503									-.5021	
.547	-.0678									
.550					-.2422	-.3995				
.565				-.1339						
.600								-.5690		
.637			-.0805							
.638	-.1899									
.650						-.4956				
.670								-.4786		
.700		-.0413				-.3734				
.725				-.3026						
.727	-.0548									
.730									-.5180	
.750							-.6040	-.4726		
.760			-.2984							
.775				-.8120	-.6444					

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA(2) = -4.038 BETA(4) = 4.117

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3178	-.3638	-.4166	-.5160		
.274				-.2574						
.345									-.4755	
.362		.0648								
.390			-.1968							
.400					-.2697	-.4101		-.6432		
.402				-.2438						
.418									-.4014	
.429	.0855									
.497		-.1472								
.503								-.5010		
.547	-.0520									
.550					-.2724	-.4224				
.565				-.1661						
.600								-.5963		
.637			-.1278							
.638	-.1591									
.650							-.5283			
.670								-.5931		
.700		-.0947				-.4088				
.725					-.3469					
.727	-.0864									
.730									-.5161	
.750							-.6803	-.6579		
.760				-.3219						
.775					-.8490	-.7669				
.793	-.0018									
.798		-.3242								
.808			-.8437							
.834	-.3151									
.839		-.8293								
.850					-.4493	-.4212	-.2190			
.857				-.4707						
.862								-.0053		
.865	-.7632									
.879		-.4649								
.900	-.4358				-.2266			-.0248		
.905			-.2438							
.919		-.2923								
.950					-.1517	-.2197	-.0242			
.953			-.1746							
.955		-.2313								
.965	-.3109									
1.000			-.1439		-.0664			.0568		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA(2) = -4.037 BETA(5) = 6.169

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.800	.8870	.9720	1.0000
X/CW										
.000	-.4727	-.1015	.0616	.2284	.3431	.1838	.1019	.0901	-.4588	
.010		-.0832	.0782	.2706	.3724	.3452	.3144	.2263		
.020		-.0755	.0971	.2404	.3004	.2653	.2490	.1910	-.4204	
.040			.1046	.1828						
.041	-.2757									
.050		-.0163			.1323	.0996	.0887	.0319		
.069									-.4902	
.080					-.0113					
.081				.0870						
.086			.1453							
.094		.0000								
.113	-.2501									
.150					-.1662	-.1685	-.1428	-.2827		
.157									-.5564	
.163			.1512							
.177				-.0839						
.229		.0841								
.246			-.0268							
.247	.0249									
.250					-.2935	-.3331	-.3890	-.4921		
.274				-.2218						
.345									-.4766	
.362		.0585								
.390			-.1717							
.400					-.2644	-.4014		-.6283		
.402				-.2245						
.418									-.4111	
.429	.0841									
.497		-.1246								
.503									-.4898	
.547	-.0411									
.550					-.2799	-.4188				
.565				-.1783						
.600								-.5899		
.637			-.1461							
.638	-.1435									
.650						-.5368				
.670									-.5618	
.700		-.1109				-.4165				
.725					-.3607					
.727	-.1023									
.730									-.5017	
.750							-.6963	-.6395		
.760				-.3262						
.775					-.8618	-.7806				

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PAGE 1351

ARC11-019 [A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(REU07)

ALPHA0(2) = -4.037 BETA0 (5) = 6.169

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	-.0282									
.798			-.3407							
.808				-.8555						
.834		-.3307								
.839			-.6.48							
.850					-.5202	-.4239	-.2368			
.857				-.4827						
.862									.0191	
.865	-.7614									
.879			-.4583							
.900	-.4432				-.2520			-.0441		
.905				-.2768						
.919			-.3119							
.950					-.1635	-.2089	-.0344			
.953				-.1912						
.955			-.2491							
.955	-.3482									
1.000			-.1646		-.0863			.0683		

ALPHAO(3) = -2.013 BETA0 (1) = -6.133

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1352

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA(3) = -2.013 BETA(1) = -6.133

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.5604	-.6580	-.6774	-.6798			
.274				-.4580							
.345									-.7757		
.362		.0288									
.390			-.3965								
.400					-.5504	-.7340		-.9441			
.402				-.5186							
.418									-.4128		
.429	.0927										
.497		-.2816									
.503									-.6888		
.547	-.1355										
.550					-.2123	-.3614					
.565			-.0934								
.600								-.5944			
.637			-.0519								
.638	-.3147										
.650						-.2034					
.670									-.4206		
.700		-.0220				-.1957					
.725					-.2015						
.727	-.0582										
.730										-.4700	
.750							-.3856	-.1862			
.760			-.2085								
.775					-.7568	-.4766					
.793	.1168										
.798		-.2173									
.808				-.5791							
.834		-.1881									
.839			-.5881								
.850					-.0851	-.1934	-.0174				
.857				-.1690							
.862									-.2135		
.865		-.6237									
.879			-.2114								
.900		-.2411			-.0058			.0220			
.905				-.0534							
.919			-.0998								
.950					.0587	.0490	.1010				
.953				.0073							
.955			-.0540								
.965		-.1247									
1.000				.0274		.0930		.0786			

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA0(3) = -2.004 BETAO (2) = -2.060

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.4341	.0139	.1137	.3795	.5215	.4572	.4208	.4062	-.2104	
.010		.0044	.1361	.3737	.3698	.3869	.3480	.1893		
.020		-.0054	.1573	.2767	.2598	.2324	.2070	.1291	-.3064	
.040			.1671	.1611						
.041	-.5098									
.050		.0249			.0183	-.0261	-.0478	-.1066		
.069									-.4162	
.080					-.1704					
.081				.0025						
.086			.1851							
.094		.0000								
.113	-.0739									
.150					-.2557	-.3896	-.3796	-.4508		
.157									-.6768	
.163			.1286							
.177				-.2686						
.229		.0984								
.246			-.1163							
.247	.0177									
.250					-.5013	-.6121	-.6567	-.6511		
.274				-.4038						
.345									-.7446	
.362		.0398								
.390			-.3334							
.400					-.3264	-.5318		-.8973		
.402				-.4069						
.413									-.4571	
.429	.0878									
.497		-.2458								
.503									-.6540	
.547	-.1183									
.550					-.2439	-.4143				
.565				-.1319						
.600								-.5558		
.637			-.0806							
.638	-.2785									
.650						-.4794				
.670								-.4193		
.700		-.0452				-.3506				
.725				-.2728						
.727	-.0664									
.730									-.5364	
.750							-.5017	-.2089		
.760			-.2621							
.775				-.7833	-.6137					

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA0(3) = -1.969 BETA0(3) = 2.058

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250										
.274										
.345										
.362										
.390										
.400										
.402										
.418										
.429	.0708									
.497										
.503										
.547										
.550										
.565										
.600										
.637										
.638										
.650										
.670										
.700										
.725										
.727										
.730										
.750										
.760										
.775										
.793										
.798										
.808										
.834										
.839										
.850										
.857										
.862										
.865										
.879										
.900										
.905										
.919										
.950										
.953										
.955										
.965										
1.000										

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA(3) = -1.958 BETA(4) = 6.150

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5204	-.1510	.0404	.2526	.4042	.2892	.2361	.2154	-.3650	
.010		-.1231	.0624	.2380	.3044	.2980	.2657	.1467		
.020		-.1025	.0816	.1895	.2198	.1841	.1633	.1020	-.3954	
.040			.0899	.1170						
.041	-.2628									
.050		-.0396			.0300	-.0139	-.0173	-.0848		
.069									-.4809	
.080					-.1151					
.081				.0149						
.086			.1135							
.094		.0000								
.113	-.2315									
.150					-.2583	-.2815	-.2495	-.3769		
.157									-.6381	
.163			.0862							
.177				-.1544						
.229		.0698								
.246			-.0739							
.247	.0100									
.250					-.3745	-.4510	-.4809	-.5776		
.274				-.2821						
.345									-.5317	
.362		.0317								
.390			-.2220							
.400					-.3112	-.4448		-.6903		
.402				-.2668						
.418									-.4649	
.429	.0630									
.497		-.1745								
.503									-.5574	
.547	-.0812				-.2938	-.4381				
.550				-.1893						
.565								-.6145		
.600										
.637			-.1639							
.638	-.1918									
.650						-.5507				
.670									-.5229	
.700		-.1280				-.4193				
.725					-.3656					
.727	-.1227									
.730										-.6826
.750							-.6885	-.6528		
.760				-.3236						
.775					-.8639	-.8241				

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(REU07)

.247

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA0(4) = .059 BETA0(1) = -5.145

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.6521	-.7948	-.8512	-.8480		
.274				-.5331						
.345									-.7251	
.362		-.0223								
.390			-.4770							
.400					-.6833	-.8711		-.8441		
.402				-.6244						
.418									-.6262	
.429	.0790									
.497		-.3900								
.503									-.6411	
.547	-.1793									
.550					-.1729	-.2236				
.565				-.1090						
.600								-.5553		
.637			-.0729							
.638	-.4200									
.650							-.3891			
.670									-.4210	
.700		-.0684				-.1934				
.725					-.1710					
.727	-.1083									
.730									-.5285	
.750							-.2613	-.3781		
.760				-.1853						
.775					-.7653	-.5195				
.793	.1068									
.798			-.2072							
.808				-.5860						
.834		-.1898								
.839			-.5070							
.850					-.0374	-.1006	-.0839			
.857				-.1389						
.862									-.3146	
.865		-.6236								
.879			-.1691							
.900		-.2432			.0153			-.1916		
.905				-.0329						
.909			-.0835							
.950					.0719	.0286	.0500			
.953				.0125						
.955			-.0469							
.965		-.1230								
1.000				.0441		.0864		-.0591		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA(4) = .063 BETA(2) = -4.101

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.3831	.0083	.1206	.4267	.5967	.5552	.5303	.4779	-.1479	
.010		-.0197	.1324	.3424	.2720	.2877	.2207	.0069		
.020		-.0257	.1485	.2096	.1400	.0986	.0426	-.0714	-.4232	
.040			.1510	.0737						
.041	-.4119									
.050		.0075			-.1205	-.1999	-.2350	-.3216		
.069									-.5281	
.080					-.3217					
.081				-.1130						
.086			.1563							
.094		.0000								
.113	-.1023									
.150					-.5568	-.6283	-.6961	-.6281		
.157									-.7891	
.163			.0692							
.177				-.3971						
.229		.0830								
.246			-.1954							
.247	.0094									
.250					-.6059	-.7253	-.8191	-.8254		
.274				-.5095						
.345									-.7660	
.362		-.0102								
.390			-.4513							
.400					-.6557	-.8401		-.8640		
.402				-.5865						
.418									-.6596	
.429	.0775									
.497		-.3696								
.503									-.6985	
.547	-.1671									
.550					-.2135	-.3093				
.585				-.1442						
.600								-.5617		
.637			-.0984							
.638	-.3966									
.650						-.3553				
.670								-.4579		
.700		-.0796				-.2223				
.725				-.2009						
.77	-.1146									
.740									-.5208	
.750					-.2882	-.3733				
.760			-.2235							
.775				-.7516	-.5687					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA(4) = .066 BETA(3) = -.005

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5612	-.6805	-.7252	-.7632		
.274				-.4358						
.345									-.8612	
.362		-.0078								
.390			-.4046							
.400					-.4758	-.7102		-.9680		
.402				-.5067						
.418										-.6536
.429	.0605									
.497		-.3175								
.503									-.7787	
.547	-.1646									
.550					-.2595	-.4304				
.565				-.1549						
.600								-.6701		
.637			-.1185							
.638	-.3358									
.650						-.4985				
.670								-.4903		
.700		-.0934				-.3817				
.725				-.3014						
.727	-.1182									
.730									-.5155	
.750						-.4992	-.3031			
.760			-.2814							
.775				-.7933	-.6770					
.793	.0331									
.798		-.2916								
.808			-.7815							
.834	-.2802									
.839		-.6559								
.850				-.2325	-.2609	-.1004				
.857			-.2595							
.862								-.3322		
.865	-.7086									
.879		-.2877								
.900	-.3593			-.1402				-.0663		
.905			-.1715							
.919		-.1950								
.950				-.0786	-.0621	.0330				
.953			-.1247							
.955		-.1475								
.965	-.2330									
1.000			-.0919		.0104		.0276			

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA(4) = .078 BETA(4) = 4.088

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4998	-.1282	.0154	.2755	.4517	.3870	.3565	.3218	-.2882	
.010		-.1179	.0442	.2239	.2240	.2305	.1820	.0047		
.020		-.0970	.0670	.1421	.1194	.0790	.0396	-.0554	-.4458	
.040			.0749	.0532						
.041	-.4215									
.050		-.0437			-.0978	-.1575	-.1935	-.2697		
.069									-.5383	
.080					-.2356					
.081				-.0726						
.086			.0919							
.094		.0000								
.113	-.1440									
.150					-.3826	-.4682	-.5468	-.5602		
.157									-.7687	
.163			.0501							
.177				-.2780						
.229		.0534								
.246			-.1494							
.247	.0012									
.250					-.4946	-.6344	-.6983	-.7406		
.274				-.3700						
.345									-.7976	
.362		-.0063								
.390			-.3296							
.400					-.3384	-.4962		-.8510		
.402				-.3807						
.418									-.7030	
.429	.0465									
.497		-.2627								
.503									-.6974	
.547	-.1457									
.550					-.2832	-.4665				
.565				-.1880						
.600								-.6241		
.637			-.1609							
.638	-.2785									
.650						-.5646				
.670									-.4828	
.700		-.1250				-.4351				
.725				-.3300						
.727	-.1293									
.730									-.5071	
.750							-.6663	-.4361		
.760				-.3077						
.775					-.8346	-.8273				

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(RETV07)

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IAB1A - PRESSURE SOURCE DATA TABULATION

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7RC11-019 1AB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETV07)

ALPHA0(4) = .082 BETA0 (5) = 6.135

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.250							
.274							
.345							
.352							
.390							
.400							
.402							
.418							
.429							
.497							
.503							
.547							
.550							
.565							
.600							
.637							
.638							
.650							
.670							
.700							
.725							
.727							
.730							
.750							
.760							
.775							
.793							
.798							
.808							
.834							
.839							
.850							
.857							
.862							
.865							
.879							
.900							
.905							
.919							
.950							
.953							
.955							
.965							
1.000							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(REU07)

ALPHA(5) = 2.177 BETA(1) = -6.133

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3245	.0005	.1051	.4439	.6410	.6003	.5683	.4802	-.1936	
.010		-.0524	.1051	.2878	.1656	.1723	.0716	-.1974		
.020		-.0630	.1212	.1223	.0272	-.0332	-.1147	-.2802	-.5977	
.040			.1283	-.0309						
.041	-.2357									
.050		-.0181			-.2519	-.3454	-.4072	-.5240		
.069									-.6630	
.080					-.4648					
.081				-.2412						
.086			.1138							
.094		.0000								
.113	-.1201									
.150					-.6771	-.7482	-.7705	-.7562		
.157									-.7766	
.163			-.0020							
.177				-.4790						
.229		.0671								
.246			-.2783							
.247	-.0010									
.250					-.7709	-.9460	-.9639	-.8002		
.274				-.6387						
.345									-.6387	
.362		-.0515								
.390			-.5610							
.400					-.7924	-.9541		-.7395		
.402				-.7345						
.418									-.6949	
.429	.0621									
.497		-.4222								
.503									-.5021	
.547	-.2160									
.550					-.1034	-.4763				
.565				-.1355						
.600								-.5667		
.637			-.1004							
.638	-.5032									
.650							-.4740			
.670									-.4292	
.700		-.1058				-.3013				
.725					-.1715					
.727	-.1608									
.730									-.5218	
.750							-.3883	-.4380		
.760				-.2038						
.775					-.7598	-.4779				

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ARC11-019 1A01 LVAP(ELHL UNSEALED) LEFT WING TOP

(REU07)

ALPHA0(5) = 2.177 BETA0 (1) = -6.133

SECTION (1) LEFT WING TOP			DEPENDENT VARIABLE CP							
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.793	.1203								
	.798		-.1987							
	.808			-.5419						
	.834	-.1751								
	.839		-.5030							
	.850				-.0261	-.1289	-.2837			
	.857			-.1637						
	.862								-.3381	
	.865	-.6398								
	.879		-.1912							
	.900	-.2344			.0123			-.3673		
	.905			-.0441						
	.919		-.0882							
	.950				.0662	-.0193	-.1702			
	.953			.0059						
	.955		-.0378							
	.965	-.1119								
1.000			.0443		.0411			-.2929		

ALPHA0(5) = 2.184 BETA0 (2) = -2.056

[illegible]

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA(5) = 2.185 BETA(3) = 2.047

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4678	-.1366	-.0190	.3130	.4960	.4499	.4264	.3599	-.3365	
.010		-.1446	.0208	.2057	.1343	.1498	.0735	-.1592		
.020		-.1241	.0512	.0882	.0221	-.0256	-.0869	-.2313	-.5868	
.040			.0649	-.0219						
.041	-.5265									
.050		-.0569			-.2111	-.2938	-.3502	-.4504		
.069									-.6569	
.080					-.3911					
.081				-.1703						
.086			.0747							
.094		.0000								
.113	-.1108									
.150					-.5860	-.6433	-.7000	-.7216		
.157									-.8789	
.163			.0099							
.177				-.3974						
.229		.0427								
.246			-.2159							
.247	-.0150									
.250					-.6167	-.7297	-.8058	-.6758		
.274				-.5182						
.345									-.8515	
.362		-.0413								
.390			-.4433							
.400					-.6320	-.8106		-.9334		
.402				-.5487						
.418									-.8545	
.429	.0368									
.497		-.3637								
.503									-.6361	
.547	-.1993									
.550					-.2872	-.4296				
.565				-.1940						
.600								-.6204		
.637			-.1594							
.638	-.4003									
.650							-.4437			
.670									-.5361	
.700		-.1363				-.4089				
.725				-.3233						
.727	-.1616									
.730										
.750							-.4690	-.3968		-.5831
.760				-.2930						
.775					-.8219	-.7846				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETUC7)

ALPHA0(5) = 2.185 BETA0(3) = 2.047

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0134									
.798			-.3043							
.808				-.7292						
.834		-.2975								
.839			-.6144							
.850					-.2515	-.2264	-.1632			
.857				-.2735						
.862									-.4062	
.865		-.7837								
.879			-.3008							
.900		-.3690			-.1617			-.2299		
.905				-.2191						
.919			-.2274							
.950					-.1353	-.0720	.0047			
.953				-.1801						
.955			-.1802							
.965		-.2411								
1.000				-.1419		-.0069		-.0896		

ALPHA0(5) = 2.186 BETA0(4) = 6.135

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5231	-.2360	-.0447	.1738	.4485	.3870	.3602	.2893	-.4005	
.010		-.1962	.0034	.0980	.1181	.1112	.0437	-.1729		
.020		-.1544	.0191	.0276	.0158	-.0437	-.0993	-.2421	-.5854	
.040			.0281	-.0457						
.041	-.3620									
.050		-.0910			-.1968	-.2764	-.3291	-.4341		
.069									-.6527	
.080					-.3534					
.081				-.1543						
.086			.0348							
.094		.0000								
.113	-.2084									
.150					-.4889	-.5491	-.5360	-.6713		
.157									-.8626	
.163			-.0126							
.177				-.3244						
.229		.0163								
.246			-.1747							
.247	-.0192									

ORIGINAL PAGE IS
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ARC11-019 1AB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA(5) = 2.186 BETA(4) = 6.135

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.274					-.5528	-.6859	-.7533	-.8173		
.345				-.4315					-.8713	
.362		-.0493								
.390			-.3443							
.400					-.4338	-.6031		-.9472		
.402				-.4039						
.418									-.9176	
.429	.0233									
.497		-.2979								
.503								-.7477		
.547	-.1719									
.550					-.3341	-.4808				
.565				-.2334						
.600								-.6194		
.637			-.2049							
.638	-.3150									
.650						-.5751				
.670								-.5633		
.700		-.1803				-.4551				
.725					-.3703					
.727	-.1776									
.730									-.6110	
.750						-.6533	-.4395			
.760				-.3417						
.775					-.8882	-.8191				
.793	-.0507									
.798			-.3452							
.808				-.7571						
.834		-.3552								
.839			-.6526							
.850					-.2960	-.2830	-.2019			
.857				-.3421						
.862								-.4116		
.865	-.7988									
.879		-.3643								
.900	-.4239				-.2217			-.0928		
.905				-.2563						
.919			-.2642							
.950					-.1751	-.1915	.0019			
.953				-.2191						
.955			-.2278							
.965	-.3166									
1.000				-.1829		-.0886		.0171		

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA0(6) = 4.257 BETA0 (1) = -6.123

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3120	-.0417	.0553	.4309	.6287	.5938	.5448	.4227	-.3408	
.010		-.1105	.0545	.2273	.0530	.0644	-.0696	-.3625		
.020		-.1094	.0807	.0466	-.0834	-.1448	-.2512	-.4659	-.7976	
.040			.0921	-.1153						
.041	-.2609									
.050		-.0526			-.3660	-.4451	-.5392	-.6755		
.069									-.7626	
.080					-.5536					
.081				-.3251						
.086			.0717							
.094		.0000								
.113	-.1538									
.150					-.7542	-.8811	-.9144	-.8323		
.157									-.7111	
.163			-.0500							
.177				-.5341						
.229		.0576								
.246			-.3164							
.247	-.0126									
.250					-.8820	-1.0233	-.8384	-.7804		
.274				-.6972						
.345									-.5579	
.362		-.0760								
.390			-.6021							
.400					-.8671	-.8968		-.6524		
.402				-.8231						
.418										-.5808
.429	.0521									
.497		-.4593								
.503									-.5068	
.547	-.2364									
.550					-.2309	-.5969				
.565					-.291					
.600								-.5632		
.637			-.1564							
.638	-.5704									
.650							-.5803			
.670									-.4660	
.700		-.1577				-.4705				
.725				-.1930						
.727	-.2213									
.730										-.5563
.750							-.5085	-.5051		
.760			-.2068							
.775				-.7772	-.4539					

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1373

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA0(6) = 4.260 BETA0 (2) = -4.081

SECTION () LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.8567	-.9990	-.9351	-.7923		
.274				-.6959						
.345										
.362		-.0697							-.5661	
.390			-.5804							
.400					-.8556	-.9295		-.6867		
.402				-.7861						
.418										-.5929
.429	.0464									
.497		-.4456								
.503									-.5271	
.547	-.2313									
.550					-.1371	-.5458				
.565				-.1567						
.600								-.5835		
.637			-.1550							
.638	-.5587									
.650							-.5956			
.670									-.4809	
.700		-.1588				-.4350				
.725					-.2235					
.727	-.2256									
.730										-.5450
.750							-.5140	-.5118		
.760				-.2152						
.775					-.7915	-.5255				
.793	.0981									
.798			-.2147							
.808				-.6134						
.834		-.1920								
.839			-.6573							
.850					-.1767	-.2615	-.4335			
.857				-.2465						
.862									-.4234	
.865		-.6872								
.879			-.2740							
.900		-.3241			-.0615			-.4661		
.905				-.1118						
.919			-.1429							
.950					.0111	-.1276	-.3346			
.953				-.0375						
.955			-.0816							
.965		-.1629								
1.000				.0078		-.0281		-.4081		

ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA(6) = 4.257 BETA(3) = -.003

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4261	-.1435	-.0366	.3299	.5457	.4914	.4502	.3371	-.4514	
.010		-.1790	-.0069	.1767	.0652	.0571	-.0726	-.3494		
.020		-.1544	.0330	.0323	-.0550	-.1373	-.2408	-.4493	-.7858	
.040			.0491	-.0980						
.041	-.4767									
.050		-.0819			-.3050	-.4145	-.5042	-.6397		
.069									-.8046	
.080					-.5153					
.081				-.2728						
.086			.0479							
.094		.0000								
.113	-.1344									
.150					-.7021	-.7741	-.7643	-.8473		
.157									-.7658	
.163			-.0366							
.177				-.4795						
.229		.0355								
.246			-.2846							
.247	-.0305									
.250					-.7575	-.9462	-.9170	-.8288		
.274				-.6466						
.345									-.6130	
.362		-.0659								
.390			-.5503							
.400					-.8040	-.9350		-.7647		
.402				-.7030						
.418									-.6320	
.429	.0300									
.497		-.4186								
.503									-.5666	
.547	-.2281									
.550					-.1897	-.4456				
.565				-.2084						
.600								-.6045		
.637			-.1798							
.638	-.5103									
.650							-.5817			
.670									-.5057	
.700		-.1674				-.3495				
.725					-.2581					
.727	-.2179									
.730									-.5583	
.750							-.4903	-.4973		
.760				-.2510						
.775					-.8067	-.6802				

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ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA0(6) = 4.257 BETA0 (3) = -.003

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0390									
.798			-.2559							
.808				-.7057						
.834		-.2524								
.839			-.6764							
.850					-.2297	-.2429	-.3726			
.857				-.2648						
.862									-.4275	
.865		-.7595								
.879			-.3059							
.900		-.3548			-.1332				-.4262	
.905				-.1492						
.919			-.1668							
.950					-.0713	-.0818	-.2402			
.953				-.0889						
.955			-.1191							
.965		-.2135								
1.000				-.0454		-.0050		-.3532		

ALPHA0(6) = 4.257 BETA0 (4) = 4.093

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4807	-.2182	-.1104	.2415	.4695	.4238	.3859	.2678	-.5388	
.010		-.1996	-.0385	.1075	.0203	.0180	-.0949	-.3700		
.020		-.1597	.0006	-.0008	-.0846	-.1587	-.2556	-.4642	-.7990	
.040			.0112	-.1047						
.041	-.5543									
.050		-.0890			-.3131	-.4166	-.5024	-.6466		
.069									-.8270	
.080					-.4872					
.081				-.2478						
.086			.0214							
.094		.0000								
.113	-.1177									
.150					-.6700	-.7504	-.7621	-.8315		
.157									-.8566	
.163			-.0432							
.177				-.4449						
.229		.0160								
.246			-.2430							
.247	-.0282									

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1376

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA(6) = 4.257 BETA(4) = 4.093

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.6950	-.8197	-.9566	-.9745		
.274				-.5753					-.6692	
.345										
.362		-.0710								
.390			-.4713							
.400					-.6950	-.8905		-.9499		
.402				-.5990						
.418										-.6779
.429	.0144									
.497		-.3845								
.503									-.6308	
.547	-.2224									
.550					-.3153	-.4435				
.585				-.2378						
.600								-.6209		
.637			-.2097							
.638	-.4406									
.650						-.5024				
.670								-.5724		
.700		-.1858				-.3731				
.725					-.3211					
.727	-.2118									
.730									-.5585	
.750							-.4518	-.4692		
.760				-.3114						
.775					-.8346	-.8142				
.793	-.0263									
.798			-.3236							
.808				-.6711						
.834		-.3191								
.839			-.6490							
.850					-.2603	-.2474	-.2707			
.857				-.2861						
.862									-.4838	
.865		-.8021								
.879			-.3330							
.900	-.3757				-.2049			-.3500		
.905				-.2250						
.919			-.2338							
.950					-.1683	-.1032	-.0730			
.953				-.1804						
.955		-.1904								
.965	-.2633									
1.000			-.1485		-.0221		-.2357			

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA0(5) = 4.251 BETA0(5) = 6.145

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4999	-.2611	-.0906	.1370	.4487	.3953	.3506	.2414	-.5704	
.010		-.2156	-.0309	.0358	.0221	.0133	-.0996	-.3718		
.020		-.1743	-.0050	-.0396	-.0832	-.1566	-.2570	-.4584	-.7955	
.040			.0033	-.1133						
.041	-.4844									
.050		-.1105			-.2977	-.4076	-.4870	-.6307		
.069									-.8221	
.080					-.4686					
.081				-.2223						
.086			.0048							
.094		.0000								
.113	-.2040									
.150					-.5952	-.7066	-.7207	-.8210		
.157									-.8976	
.163			-.1541							
.177				-.3985						
.229		.0104								
.246			-.2241							
.247	-.0385									
.250					-.6431	-.7622	-.8792	-.9641		
.274				-.5179						
.345									-.7365	
.362		-.0673								
.390			-.4134							
.400					-.5268	-.8074		-.9764		
.402				-.4745						
.418										-.7400
.429	.0071									
.497		-.3391								
.503									-.6780	
.547	-.2061									
.550					-.3585	-.4939				
.565				-.2534						
.600								-.6182		
.637			-.2347							
.638	-.3707									
.650							-.5055			
.670									-.5984	
.700		-.1981				-.4477				
.725					-.3601					
.727	-.2126									
.730										-.5862
.750							-.5251	-.4690		
.760				-.3394						
.775					-.9033	-.7887				

ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA0(6) = 4.251 BETA0 (5) = 6.145

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP					
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW									
.793	-.0563								
.798			-.3519						
.808				-.5996					
.834	-.3425								
.839			-.5686						
.850					-.2786	-.2592	-.2322		
.857				-.3117					
.862								-.5250	
.865	-.7583								
.879		-.3468							
.900	-.3868				-.2184			-.2871	
.905				-.2632					
.919		-.2669							
.950					-.1721	-.1668	-.0132		
.953				-.2161					
.955		-.2277							
.965	-.2928								
1.000			-.1831		-.0791			-.0847	

ALPHA0(7) = 5.353 BETA0 (1) = -4.069

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP					
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW									
.000	-.3205	-.1211	-.0327	.3720	.5753	.5314	.4759	.3237	-.5286
.010		-.1873	-.0230	.1494	-.0440	-.0672	-.2224	-.5234	
.020		-.1748	.0126	-.0343	-.1684	-.2620	-.3901	-.6304	-.8133
.040			.0329	-.1930					
.041	-.3532								
.050		-.0985			-.4314	-.5437	-.6620	-.8236	
.069									-.7953
.080					-.6354				
.081				-.3927					
.086			.0200						
.094		.0000							
.113	-.1594								
.150					-.8426	-.9575	-.9299	-.8719	
.157									-.6248
.163			-.0937						
.177				-.5557					
.229		.0253							
.246			-.3789						
.247	-.0388								

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA0 (7) = 6.353 BETA0 (1) = -4.069

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.9317	-1.0766	-.8660	-.8600		
.274				-.7638						
.345									-.6122	
.362		-.1030								
.390			-.6318							
.400					-.9321	-.9026		-.7895		
.402				-.8507						
.418										-.6103
.429	.0293									
.497		-.4872								
.503									-.5915	
.547	-.2572									
.550					-.3199	-.6859				
.565				-.2037						
.600								-.6181		
.637			-.2168							
.639	-.6147									
.650						-.6179				
.670									-.5244	
.700		-.2073				-.5571				
.725					-.2443					
.727	-.2749									
.730										-.5057
.750							-.5287	-.5803		
.760				-.2370						
.775					-.8522	-.5176				
.793	.1150									
.798			-.2176							
.808				-.6544						
.834		-.2031								
.839			-.7197							
.850					-.2297	-.3431	-.4491			
.857				-.3124						
.862									-.4964	
.865		-.7497								
.879			-.3129							
.900		-.3761			-.1338			-.5514		
.905				-.1445						
.919			-.1547							
.950					-.0421	-.2102	-.3836			
.953				-.0494						
.955			-.0898							
.965		-.1785								
1.000				.0053		-.1152		-.5041		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA(7) = 6.352 BETA(2) = -2.035

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3831	-.1543	-.0670	.3360	.5493	.4969	.4372	.2922	-.5886	
.010		-.2205	-.0462	.1297	-.0541	-.0683	-.2280	-.5352		
.020		-.1959	-.0023	-.0430	-.1785	-.2639	-.3942	-.6370	-.8314	
.040			.0166	-.1927						
.041	-.4047									
.050		-.1198			-.4353	-.5394	-.6605	-.8270		
.069					-.6221				-.7244	
.080										
.081				-.3924						
.086			.0099							
.094		.0000								
.113	-.1538									
.150					-.8016	-.9407	-.8721	-.8813		
.157									-.6432	
.163			-.0901							
.177				-.5574						
.229		.0217								
.246			-.3607							
.247	-.0512									
.250					-.9052	-1.0676	-.8859	-.8736		
.274				-.7563						
.345									-.6240	
.362		-.1009								
.390			-.6153							
.400					-.9156	-.9136		-.8000		
.402				-.8248						
.418									-.6192	
.429	.0181									
.497		-.4810								
.503									-.6144	
.547	-.2565									
.550					-.1999	-.6578				
.565				-.2246						
.600								-.6335		
.637			-.2066							
.638	-.6050									
.650						-.6231				
.670								-.5332		
.700		-.2086				-.5213				
.725				-.2484						
.727	-.2705									
.730									-.5083	
.750						-.5397	-.6008			
.760				-.2427						
.775					-.8524	-.5710				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1381

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA0(7) = 6.352 BETA0 (2) = -2.035

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0870									
.798			-.2309							
.808				-.6959						
.834		-.2245								
.839			-.7376							
.850					-.2562	-.3241	-.4435			
.857				-.3277						
.862									-.5005	
.865		-.7735								
.879			-.3580							
.900		-.4116			-.1333			-.5495		
.905				-.1683						
.919			-.1842							
.950					-.0454	-.2041	-.3711			
.953				-.0755						
.955			-.1140							
.965		-.2129								
1.000				-.0164		-.0861		-.4955		

ALPHA0(7) = 6.347 BETA0 (3) = .010

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4101	-.2087	-.1243	.2867	.5161	.4579	.3972	.2589	-.6245	
.010		-.2522	-.0855	.0945	-.0597	-.0714	-.2282	-.5274		
.020		-.2208	-.0295	-.0583	-.1835	-.2571	-.3903	-.6262	-.8454	
.040			-.0072	-.1920						
.041	-.4559									
.050		-.1273			-.4223	-.5276	-.6457	-.8093		
.069									-.7570	
.080					-.6075					
.081				-.3737						
.086			-.0025							
.094		.0000								
.113	-.1432									
.150					-.7728	-.9097	-.9372	-.8790		
.157									-.6572	
.163			-.0890							
.177				-.5400						
.229		.0134								
.246			-.3466							
.247	-.0606									

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA0(7) = 6.347 BETA0 (3) = .010

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.250					-.8725	-1.0380	-.9103	-.8729		
.274				-.7225						
.345									-.6248	
.362		-.0979								
.390			-.5874							
.400					-.9109	-.9825		-.8032		
.402				-.7889						
.418										-.6280
.429	.0094									
.497		-.4650								
.503									-.6167	
.547	-.2549									
.550					-.1517	-.5566				
.565				-.2511						
.600								-.6330		
.637			-.2170							
.638	-.5892									
.650							-.6341			
.670									-.5425	
.700		-.2069				-.4710				
.725					-.2494					
.727	-.2613									
.730										-.5281
.750							-.5280	-.5792		
.760				-.2496						
.775					-.8382	-.6519				
.793	.0548									
.798			-.2446							
.808				-.7290						
.834		-.2485								
.839			-.7325							
.850					-.2663	-.2770	-.4419			
.857				-.3003						
.862									-.4914	
.865	-.8000									
.879		-.3642								
.900	-.4071				-.1428			-.5357		
.905				-.1634						
.919		-.1945								
.950					-.0786	-.1374	-.3538			
.953				-.0969						
.955		-.1251								
.985	-.2285									
1.000				-.0426		-.0588		-.4694		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU07)

ALPHA0 () = 6.344 BETA0 () = 2.069

SECTION () LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
.000	-.4388	-.2551	-.1800	.2397	.4836	.4302	.3646	.2175	-.6844	
.010		-.2775	-.1098	.0600	-.0782	-.0670	-.2316	-.5429		
.020		-.2339	-.0514	-.0762	-.1835	-.2579	-.3898	-.6439	-.8595	
.040			-.0228	-.1919						
.041	-.5014									
.050		-.1232			-.4211	-.5217	-.6398	-.8220		
.069									-.7729	
.080					-.5985					
.081				-.3583						
.086			-.0141							
.094		.0000								
.113	-.1527									
.150					-.7554	-.8831	-.9154	-.9417		
.157									-.6794	
.163			-.0949							
.177				-.5278						
.229		.0012								
.246			-.3169							
.247	-.0630									
.250					-.8217	-1.0223	-.9254	-.8947		
.274				-.6854						
.345									-.6483	
.362		-.1028								
.390			-.5758							
.400					-.8810	-1.0073		-.8342		
.402				-.7481						
.418										-.6356
.429	.0056									
.497		-.4517								
.503									-.6352	
.547	-.2517									
.550					-.1977	-.5123				
.565				-.2630						
.600								-.6475		
.637			-.2346							
.638	-.5519									
.650							-.5278			
.670									-.5575	
.700		-.2284				-.4029				
.725					-.2787					
.727	-.2680									
.730										-.5360
.750							-.5225	-.6043		
.760			-.2680							
.775					-.8055	-.7500				

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1385

ARC11-01S 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU07)

ALPHA(7) = 6.340 BETA(5) = 4.114

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.7668	-1.0002	-.9772	-.9193		
.274				-.6587						
.345									-.6566	
.362		-.1040								
.390			-.5411							
.400					-.8075	-.9724		-.8811		
.402				-.6826						
.418										-.6541
.429	-.0018									
.497		-.4352								
.503									-.6527	
.547	-.2511									
.550					-.3062	-.4075				
.565				-.2872						
.600								-.6747		
.637			-.2534							
.638	-.5080									
.650							-.6275			
.670									-.5857	
.700		-.2263				-.3704				
.725					-.2951					
.727	-.2591									
.730										-.5426
.750							-.5119	-.6071		
.760				-.3022						
.775					-.7660	-.8256				
.793	-.0421									
.798			-.3198							
.808				-.7596						
.834		-.3042								
.839			-.7094							
.850					-.2467	-.2576	-.3947			
.857				-.3114						
.862									-.5514	
.865	-.7956									
.879		-.3611								
.900	-.3801				-.2014			-.4895		
.905				-.2260						
.919		-.2652								
.950					-.1580	-.1532	-.2891			
.953				-.1676						
.955		-.2058								
.965	-.2415									
1.000				-.1263		-.0682		-.4085		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1386

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU08) (02 OCT 74)

REFERENCE DATA

CREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 3.000
 ELV-18 = 8.000 ELV-08 = 4.000
 RUDDER = .000 SPOBRK = .000

ALPHA(1) = .064 SETAO (1) = -6.230

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2950	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2084	-.0805	-.0170	.5429	.7379	.7111	.6999	.6712	.0976	
.010		-.1158	-.0311	.4556	.4217	.4667	.4157	.2371		
.020		-.1514	-.0222	.3169	.3030	.2993	.2570	.1658	-.1442	
.040			-.0067	.1766						
.041	-.1895									
.050		-.1031			.0433	.0259	-.0005	-.0570		
.069									-.2315	
.080					-.1414					
.081				-.0048						
.086			.1746							
.094		.0900								
.113	-.1027									
.150					-.3423	-.3374	-.2831	-.3196		
.157									-.4497	
.163			.1797							
.177				-.2313						
.229		-.0526								
.246			-.1075							
.247	-.1522									
.250					-.4657	-.5236	-.5266	-.4819		
.274				-.4154						
.345									-.5804	
.362		.0832								
.390			-.2996							
.400					-.5442	-.6660		-.7059		
.402				-.4568						
.418									-.3618	
.429	.0499									
.497		-.1978								
.503									-.6933	
.547	-.0564									
.550					-.2853	-.6660				
.565				-.1135						
.600								-.7150		
.637			-.0317							
.638	-.2616									
.650						-.6965				
.670									-.8888	

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1388

ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU08)

ALPHA0 (1) = .071 BETA0 (2) = -4.158

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.9870	.9720	1.0000
X/CW										
.150					-.3333	-.3178	-.2791	-.3379		
.157									-.4656	
.163			.1701							
.177				-.2029						
.229		-.0802								
.246			-.0977							
.247	-.1737									
.250					-.4286	-.5163	-.5283	-.4989		
.274				-.3709						
.345									-.5923	
.362		.0790								
.390			-.2664							
.400					-.5194	-.6419		-.7128		
.402				-.4584						
.418									-.4134	
.429	.0138									
.497		-.645								
.503									-.6866	
.547	-.0385									
.550					-.1941	-.6519				
.565				-.1044						
.600								-.7253		
.637			-.0155							
.638	-.2530									
.650						-.6921				
.670								-.8302		
.700		-.0160				-.2022				
.725					-.1175					
.727	-.1587									
.730									-.8730	
.750							-.6015	-.7668		
.760				-.1067						
.775					-.3926	-.4391				
.793	.2104									
.798			-.0910							
.808				-.3591						
.834		-.0427								
.839			-.3976							
.850					-.3561	-.2534	-.3320			
.857				-.3777						
.862								-.8215		
.865		-.4229								
.879			-.3492							
.900	-.3009				-.3721			-.3700		
.905			-.3803							

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1389

ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU08)

ALPHA(1) = .071 BETA(2) = -4.159

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7870	.8870	.9720	1.0000
X/CW										
.919			-.3647							
.950					-.2537	-.2223	-.0065			
.953				-.3370						
.955			-.3505							
.965		-.3617								
1.000				-.1724		-.2988		-.3310		

ALPHA(1) = .075 BETA(3) = -.029

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2230	-.2481	-.0588	.4257	.6077	.5599	.5539	.5564	-.0072	
.010		-.2753	-.0451	.3666	.3698	.4030	.3727	.2243		
.020		-.2746	-.0096	.2621	.2693	.2536	.2393	.1630	-.1860	
.040			.0284	.1564						
.041	-.2883									
.050		-.2351			.0506	.0185	.0070	-.0403		
.069									-.2577	
.080					-.1301					
.081				.0078						
.086			.1561							
.094		.0000								
.113	-.2517									
.150					-.3015	-.3097	-.2559	-.3238		
.157									-.4606	
.163			.1703							
.177				-.1522						
.229		-.0876								
.246			-.0709							
.247	-.1943									
.250					-.3854	-.4603	-.4838	-.4716		
.274				-.3173						
.345									-.5546	
.362		.0840								
.390			-.2371							
.400					-.4881	-.5771		-.6796		
.402				-.4071						
.418									-.4376	
.429	.0707									
.497		-.1585								
.503									-.6092	
.547	-.0353									

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1391

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU08)

ALPHA0 (1) = .094 BETA0 (4) = 4.123

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.3151			.0581	.0041	-.0130	-.0547		
.069									-.2875	
.080					-.0802					
.081				.0412						
.086			.1510							
.094		.0000								
.113	-.3593									
.150					-.2492	-.2685	-.2369	-.3097		
.157									-.4707	
.163			.1590							
.177				-.1156						
.229		.0334								
.246			-.0107							
.247	-.1988									
.250					-.3131	-.3795	-.4044	-.4583		
.274				-.2571						
.345									-.5212	
.362		.1046								
.390			-.1922							
.400					-.3964	-.5202		-.6374		
.402				-.3323						
.418									-.4878	
.429	.1127									
.497		-.1171								
.503									-.5803	
.547	.0040									
.550					-.0203	-.1323				
.565				.0422						
.600								-.5774		
.637			.0701							
.638	-.1816									
.650						-.1923				
.670								-.6062		
.700		.0778				-.1488				
.725					-.0996					
.727	.0450									
.730									-.8663	
.750							-.3198	-.2454		
.760			-.1533							
.775				-.4351	-.4747					
.793	.1920									
.790			-.1552							
.808				-.4207						
.834		-.1156								
.839			-.4550							

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TAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU08)

ALPHA0 (1) = .094 BETA0 (4) = 4.123

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.4310	-.3857	-.2432			
.857				-.4295						
.862									-.4527	
.865		-.4946								
.879			-.4011							
.900		-.3423			-.4621			-.0915		
.905				-.4372						
.919			-.3902							
.950					-.4155	-.3658	-.1155			
.953				-.3929						
.955			-.3701							
.965		-.3491								
1.000				-.1587		-.2616		-.5090		

ALPHA0 (1) = .103 BETA0 (5) = 5.207

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3342	-.4492	.0026	.2950	.5224	.4569	.4307	.4320	-.0959	
.010		-.4645	.0497	.2487	.3129	.3331	.2978	.1736		
.020		-.4425	.0691	.1857	.2342	.2059	.1814	.1223	-.2130	
.040			.0822	.1257						
.041	-.4215									
.050		-.3462			.0620	.0079	-.0134	-.0560		
.069									-.2774	
.080					-.0768					
.081				.0410						
.086			.1169							
.094		.0000								
.113	-.4295									
.150					-.2228	-.2301	-.2138	-.2944		
.157									-.4447	
.163			.1520							
.177				-.0954						
.229		.0841								
.246			.0029							
.247	-.2100									
.250					-.2955	-.3666	-.3889	-.4052		
.274				-.2312						
.345									-.5016	
.362		.0984								
.390			-.1705							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU08)

ALPHA(1) = .103 BETA(5) = 6.207

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.400					-.3613	-.4879		-.6089		
.402				-.2894						
.418									-.4630	
.429	.1137									
.497		-.1077								
.503								-.5421		
.547	.0054									
.550					-.0178	-.1004				
.565				.0382						
.600								-.3041		
.637			.0706							
.638	-.1713									
.650							-.2011			
.670								-.4458		
.700		.0766				-.1463				
.725				-.1124						
.727	.0429									
.730									-.7934	
.750							-.3450	-.2561		
.760				-.1553						
.775				-.4494	-.4786					
.793	.1908									
.798			-.1565							
.808			-.4298							
.834		-.1145								
.839			-.4665							
.850				-.4387	-.3673	-.2776				
.857				-.4319						
.862								-.2746		
.865		-.5009								
.879			-.4043							
.900		-.3368			-.4684			-.1159		
.905				-.4405						
.919			-.3881							
.950				-.4033	-.3653	-.1492				
.953				-.3957						
.955			-.3674							
.965		-.3446								
1.000				-.1649		-.2538		-.4508		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1394

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU08)

ALPHA0(2) = 2.216 BETA0 (1) = -6.219

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.1997	-.0792	-.0716	.5337	.7397	.7206	.7035	.6373	-.0034	
.010		-.1189	-.0855	.3920	.3080	.3558	.2822	.0655		
.020		-.1085	-.0791	.2332	.1931	.1771	.1200	-.0157	-.3213	
.040			-.0284	.0793						
.041	-.1822									
.050		-.1090			-.0580	-.0893	-.1302	-.2101		
.069									-.3724	
.080					-.2471					
.081				-.0820						
.086			.1133							
.094		.0000								
.113	-.0936									
.150					-.4707	-.4581	-.4154	-.4548		
.157									-.5599	
.163			.1234							
.177				-.3058						
.229		-.0926								
.246			-.1662							
.247	-.1424									
.250					-.5736	-.6312	-.6267	-.5779		
.274				-.4866						
.345									-.7050	
.362		.0615								
.390			-.3596							
.400					-.6003	-.7482		-.7733		
.402				-.5062						
.418										-.5616
.429	.0321									
.497		-.2380								
.503									-.7914	
.547	-.0877									
.550					-.5548	-.7571				
.565				-.2506						
.600								-.7899		
.637			-.1277							
.638	-.3000									
.650							-.7646			
.670									-.8448	
.700		-.1880				-.5975				
.725				-.1338						
.727	-.3122									
.730										-.9659
.750							-.6283	-.7776		
.760				-.1496						
.775					-.3843	-.4487				

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1395

ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETUOB)

ALPHA(2) = 2.216 BETA(1) = -6.219

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1682									
.798			-.1093							
.808				-.3355						
.834		-.0277								
.839			-.3764							
.850					-.3540	-.2129	-.5193			
.857					-.3563					
.862									-.9403	
.865		-.4176								
.879			-.3470							
.900		-.2862			-.3251			-.5036		
.905				-.3599						
.919			-.3594							
.950					-.2204	-.1966	-.3748			
.953				-.3115						
.955			-.3333							
.965		-.3539								
1.000				-.1299	-.1988		-.5022			

ALPHA(2) = 2.214 BETA(2) = -2.090

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1261	-.1758	-.1316	.4528	.6723	.6423	.6284	.5715	-.0699	
.010		-.2043	-.0975	.3376	.2952	.3400	.2723	.0684		
.020		-.2138	-.0649	.2058	.1956	.1735	.1261	-.0071	-.3191	
.040			-.0336	.0819						
.041	-.2222									
.050		-.2008			-.0408	-.0775	-.1152	-.2030		
.069									-.3683	
.080					-.2044					
.081										
.086			.0827							
.094		.0000								
.113	-.1795									
.150					-.3769	-.4048	-.3634	-.4208		
.157									-.5536	
.163			.1316							
.177				-.2272						
.229		-.1040								
.246			-.1202							
.247	-.2116									

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IASIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETOUR)

ALPHA0(2) = 2.214 BETA0 (2) = -2.090

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.250						
.274						
.345						
.362						
.390	.0740					
.400						
.402						
.418						
.429	.0403					
.497						
.503						
.547	-.0552					
.550						
.565						
.600						
.637						
.638	-.2735					
.650						
.670						
.700	-.0920					
.725						
.727	-.2603					
.730						
.750						
.760						
.775						
.793	.1742					
.798						
.808						
.834	-.0728					
.839						
.850						
.857						
.862						
.865	-.4462					
.879						
.900	-.3194					
.905						
.919						
.950						
.953						
.955						
.965	-.3611					
1.000						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU08)

ALPHA0(2) = 2.224 BETA0 (3) = 2.058

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.1926	-.2844	-.1698	.3616	.5825	.5604	.5523	.5145	-.1188		
.010		-.3260	-.0899	.2616	.2369	.2971	.2494	.0646			
.020		-.3282	-.0038	.1572	.1450	.1456	.1078	-.0041	-.3261		
.040			.0371	.0544							
.041	-.3186										
.050		-.3107			-.0549	-.0832	-.1142	-.1877			
.069									-.3756		
.080					-.0064						
.081				-.0716							
.086			.1106								
.094		.0000									
.113	-.2974										
.150					-.3520	-.3508	-.3311	-.4057			
.157									-.5538		
.163			.1059								
.177				-.2028							
.229		-.0424									
.246			-.1062								
.247	-.2349										
.250					-.4087	-.5194	-.5541	-.5493			
.274				-.3443							
.345									-.6612		
.362		.0628									
.390			-.2505								
.400					-.4945	-.6072		-.7366			
.402				-.4131							
.418									-.6638		
.429	.0848										
.497		-.1699									
.503									-.6897		
.547	-.0589				-.1617	-.5413					
.550											
.565			-.0531								
.600								-.7112			
.637			-.0009								
.638	-.2386										
.650							-.6378				
.670									-.8479		
.700		.0064				-.1868					
.725				-.1193							
.727	-.0824										
.730											
.750							-.3017	-.5544		-.8574	
.760			-.1594								
.775				-.4328	-.4655						

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEAL) LEFT WING TOP

(RETU08)

ALPHA(2) = 2.234 BETA(4) = 6.197

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3572	-.4225	-.5033	-.5301		
.274				-.2694						
.345									-.6385	
.362		.0816								
.390			-.2095							
.400					-.4292	-.5517		-.6827		
.402				-.3440						
.418										-.7310
.429	.1104									
.497		-.1354								
.503									-.6086	
.547	-.0154									
.550					-.0666	-.1990				
.565				-.0203						
.600								-.6347		
.637			.0321							
.638	-.2123									
.650							-.2207			
.670									-.7340	
.700		.0227				-.1619				
.725					-.1252					
.727	-.0390									
.730										-.9247
.750							-.2931	-.3346		
.760				-.1589						
.775					-.4540	-.4879				
.793	.1768									
.798			-.1571							
.808				-.4382						
.834		-.1249								
.839			-.4734							
.850					-.4411	-.3470	-.2407			
.857				-.4342						
.862									-.6608	
.865		-.5114								
.879			-.4055							
.900		-.3380			-.4710			-.1531		
.905				-.4377						
.919			-.3815							
.950					-.3699	-.3480	-.1204			
.953				-.3895						
.955			-.3595							
.965		-.3532								
1.000				-.1348		-.1883		-.4224		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1400

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU08)

ALPHA(3) = 4.330 BETA(1) = -4.129

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2083	-.0838	-.1556	.4519	.6832	.6668	.6404	.5485	-.1614	
.010		-.1365	-.1308	.2746	.1803	.2217	.1287	-.0882		
.020		-.1515	-.0939	.1170	.0757	.0505	-.0121	-.1789	-.5032	
.040			-.0611	-.0137						
.041	-.1658									
.050		-.1620			-.1494	-.1865	-.2460	-.3500		
.069									-.5280	
.080					-.3191					
.081				-.1875						
.086			.0217							
.094		.0000								
.113	-.1366									
.150					-.5344	-.5282	-.5072	-.5557		
.157									-.6756	
.163			.0679							
.177				-.3322						
.229		-.1376								
.246			-.1927							
.247	-.1695									
.250					-.5878	-.6875	-.6884	-.6598		
.274				-.4849						
.345									-.7785	
.362		.0375								
.390			-.3550							
.400					-.6437	-.7927		-.8252		
.402				-.5343						
.418									-.7508	
.429	.0118									
.497		-.2352								
.503									-.7942	
.547	-.0903									
.550					-.6058	-.7927				
.565				-.2868						
.600								-.7984		
.637			-.2044							
.638	-.3331									
.650						-.7995				
.670									-.7126	
.700		-.2747				-.6646				
.725					-.1880					
.727	-.3726									
.730									-.7141	
.750							-.6654	-.6864		
.760				-.1832						
.775					-.4033	-.4713				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1401

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETOUR)

ALPHA(3) = 4.330 BETA(1) = -4.129

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1365									
.799										
.808										
.834										
.839										
.850										
.857										
.862										
.865										
.879										
.900										
.905										
.919										
.950										
.953										
.955										
.965										
1.000										

ALPHA(3) = 4.329 BETA(2) = -.008

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000										
.010										
.020										
.040										
.041										
.050										
.069										
.080										
.081										
.086										
.094										
.113										
.150										
.157										
.163										
.177										
.229										
.246										
.247										

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETOUR)

ALPHA(3) = 4.329 BETA(2) = -.008

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5252	-.6325	-.6617	-.6438		
.274				-.4330						
.345									-.7676	
.362		.0504								
.390			-.3310							
.400					-.5898	-.7302		-.8065		
.402				-.4972						
.418										-.8091
.429	.0699									
.497		-.2255								
.503									-.7953	
.547	-.0921									
.550					-.2683	-.7077				
.565				-.1745						
.600								-.7726		
.637			-.1172							
.638	-.3195									
.650						-.7749				
.670									-.7159	
.700		-.1033				-.2162				
.725					-.2083					
.727	-.3052									
.730										-.7290
.750							-.6744	-.6566		
.760				-.1737						
.775					-.4534	-.4949				
.793	.1789									
.798		-.1498								
.808			-.3815							
.834		-.0846								
.839			-.4436							
.850					-.4099	-.3350	-.4090			
.857				-.4137						
.862									-.7166	
.865		-.4745								
.879			-.4012							
.900		-.3317			-.4282			-.6306		
.905				-.4303						
.919			-.3929							
.950					-.3121	-.2392	-.1000			
.953				-.3834						
.955			-.3768							
.965		-.3487								
1.000				-.1130		-.2072		-.6029		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1403

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU08)

ALPHA(3) = 4.334 BETA(3) = 4.139

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2123	-.3870	-.2202	.2716	.5382	.5347	.5140	.4367	-.3074	
.010		-.4377	-.0687	.1611	.1341	.1681	.0989	-.1096		
.020		-.4182	.0049	.0762	.0435	.0216	-.0330	-.1882	-.5222	
.040			.0207	-.0054						
.041	-.3370									
.050		-.3702			-.1325	-.1897	-.2423	-.3420		
.069									-.5319	
.080					-.2671					
.081				-.1234						
.086			.0716							
.094		.0000								
.113	-.3515									
.150					-.3949	-.4424	-.4547	-.5238		
.157									-.6524	
.163			.0590							
.177				-.2281						
.229		.0195								
.246			-.1085							
.247	-.2718									
.250					-.4394	-.5828	-.6167	-.6218		
.274				-.3441						
.345									-.7438	
.362		.0590								
.390			-.2548							
.400					-.5197	-.6427		-.7920		
.402				-.4150						
.418									-.8393	
.429	.1015									
.497		-.1689								
.503									-.7927	
.547	-.0428									
.550					-.1993	-.5920				
.565				-.1049						
.600								-.7453		
.637			-.0542							
.638	-.2536									
.650							-.6682			
.670								-.7142		
.700		-.0526				-.2412				
.725				-.1541						
.727	-.1777									
.730									-.7116	
.750							-.3323	-.6269		
.760				-.1700						
.775					-.4541	-.4949				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1405

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU08)

ALPHA0(3) = 4.334 BETA0 (4) = 6.220

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4038	-.5309	-.6028	-.6010		
.274				-.3053						
.345									-.7390	
.362		.0626								
.390			-.2466							
.400					-.4729	-.6114		-.7698		
.402				-.3779						
.418									-.8847	
.429	.1095									
.497		-.1560								
.503									-.7650	
.547	-.0351									
.550					-.1347	-.3628				
.565				-.0774						
.600								-.7189		
.637			-.0128							
.638	-.2417									
.650							-.4382			
.670								-.7521		
.700		-.0132				-.2056				
.725					-.1339					
.727	-.1183									
.730									-.7603	
.750							-.2938	-.5681		
.760			-.1653							
.775					-.4600	-.4954				
.793	.1707									
.798			-.1595							
.808				-.4473						
.834		-.1287								
.839			-.4861							
.850					-.4425	-.3189	-.2338			
.857				-.4356						
.862								-.7040		
.865		-.5150								
.879			-.4000							
.900	-.3357				-.4698			-.2583		
.905				-.4373						
.919			-.3817							
.950					-.2905	-.3161	-.0881			
.953				-.3816						
.955			-.3616							
.965	-.3555									
1.000				-.1104		-.1162		-.4234		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1406

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09) (02 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 2.250
 ELV-1B = 6.000 ELV-OB = 4.000
 RUDDER = .000 SPDBRK = .000

ALPHA(1) = -6.236 BETA(1) = -4.085

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2764	-.1207	-.0541	.3858	.5321	.4430	.3876	.4078	-.1236	
.010		-.1310	-.0238	.4788	.5660	.5680	.5534	.5094		
.020		-.1502	-.0062	.4237	.4840	.4738	.4735	.4688	-.0581	
.040			.0090	.3361						
.041	-.2728									
.050		-.1147			.2769	.2681	.2791	.3008		
.069					.1193				-.1263	
.080										
.081				.2040						
.086			.2140							
.094		.0000								
.113	-.1874									
.150					-.0988	-.0441	.0478	-.0262		
.157									-.2680	
.163			.2805							
.177				-.0364						
.229		-.0425								
.246			.0500							
.247	-.0882									
.250					-.2319	-.2743	-.2643	-.2271		
.274				-.2085						
.345									-.2837	
.362		.1475								
.390			-.1557							
.400					-.3508	-.3465		-.4784		
.402				-.2968						
.418									-.1484	
.429	.0582									
.497		-.0874								
.503									-.2976	
.547	.0516									
.550					.0929	-.0388				
.565				.1599						
.600								-.2292		
.637			.1919							
.638	-.1373									
.650						-.1580				
.670									-.2302	

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(RETU09)

DEPENDENT VARIABLE CP

700

.700

.725

.727

.730

.750

.760

.775

.793

.798

808

834

.B59
030

050
B39

.850
957

.857
222

. 662

.865

.879
822

.900

.905

919

.950

.953

.955

965

1,000

DEPENDENT VARIABLE CP

X/CN

.000

.000
.010

.020

.020
.040

041

050

.050
069

.069
090

081
080

081
085

980

.094
1.13

.113

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 140P

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA0 (1) = -6.225 BETA0 (2) = -2.030

SECTION 1 LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2370	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.150					-.0772	-.0186	.0902	-.0033			
.157									-.2576		
.163			.2751								
.177				-.0090							
.229		-.0625									
.246			.0607								
.247	-.1058										
.250					-.2131	-.2463	-.2271	-.2049			
.274				-.1675							
.345									-.1460		
.362		.1463									
.390			-.1347								
.400					.0270	-.0230		-.3446			
.402				-.1530							
.418										-.1308	
.429	.0470										
.497		-.0801									
.503									-.1578		
.547	.0470										
.550					.0737	-.0576					
.565				.1516							
.600								-.2532			
.637			.1836								
.638	-.0915										
.650							-.1708				
.670									-.2772		
.700		.2092				-.0712					
.725					-.0366						
.727	.1949										
.730										-.2304	
.750							-.2974	-.3009			
.760				-.0798							
.775					-.3860	-.4213					
.793	.2921										
.798			-.0870								
.808				-.3760							
.834		-.0402									
.839			-.4044								
.850					-.3863	-.3149	-.2160				
.857				-.3838							
.862									-.0719		
.865		-.4247									
.879			-.3542								
.900		-.2917			-.4083			-.0578			
.905				-.3773							

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1409

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA0(1) = -6.225 BETA0 (2) = -2.030

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.919			-.3535							
.950					-.3295	-.3227	-.1002			
.953				-.3351						
.955			-.3280							
.965		-.3369								
1.000				-.2163		-.3698		-.3541		

ALPHA0(1) = -6.193 BETA0 (3) = .032

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3252	-.2268	-.0633	.3335	.4612	.3522	.2933	.2958	-.1252	
.010		-.2384	-.0251	.4178	.5307	.5259	.5262	.4838		
.020		-.2520	.0089	.3858	.4663	.4484	.4688	.4602	-.1242	
.040			.0402	.3163						
.041	-.3289									
.050		-.1739			.2825	.2855	.3213	.3202		
.069									-.1513	
.080					.1353					
.081				.2138						
.086			.1832							
.094		.0000								
.113	-.2946									
.150					-.0473	.0529	.1370	.0253		
.157									-.1936	
.163			.2629							
.177				-.0023						
.229		-.0752								
.246			.0608							
.247	-.1253									
.250					-.1248	-.1593	-.1577	-.1570		
.274				-.1325						
.345									-.1579	
.362		.1410								
.390			-.0918							
.400					.0319	-.0588		-.2659		
.402				-.0596						
.418									-.1294	
.429	.0529									
.497		-.0679								
.503									-.1791	
.547	.0490									

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1AB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1AB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU09)

ALPHA0 (1) = -6.179 BETA0 (4) = 2.098

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.1738			.2969	.3021	.3146	.3194		-.2011
.069					.1627					
.080				.2229						
.081										
.086			.1747							
.094		.0000								
.113	-.3127									
.150					.0103	.0830	.1793	.0671		
.157									-.2336	
.163			.2495							
.177				.0307						
.229		-.0503								
.246			.0726							
.247	-.1412									
.250					-.1143	-.1385	-.0792	-.1164		
.274				-.0407						
.345									-.1720	
.362		.1458								
.390			-.0164							
.400					.0462	-.0568		-.2756		
.402				-.0340						
.418									-.1494	
.429	.0715									
.497		-.0104								
.503									-.1774	
.547	.0731									
.550					.0553	-.0717				
.565				.1356						
.600								-.2827		
.637			.1674							
.638	.0339									
.650							-.1926			
.670									-.2881	
.700		.1966				-.1026				
.725					-.0591					
.727	.1835									
.730									-.2567	
.750							-.3361	-.3528		
.760				-.1054						
.775					-.4144	-.4506				
.793	.2871									
.798			-.1144							
.808				-.4048						
.834		-.0566								
.839			-.4372							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU09)

ALPHAO(1) = -6.179 BETA0 (4) = 2.098

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.4137	-.3614	-.2958			
.857				-.4201						
.862									-.0881	
.865		-.4531								
.879			-.4121							
.900		-.3274			-.4425			-.1364		
.905				-.4365						
.919			-.3934							
.950					-.4079	-.3682	-.1855			
.953				-.3828						
.955			-.3769							
.955		-.3667								
1.000				-.2277	-.4362		-.5074			

ALPHAO(1) = -6.167 BETA0 (5) = 4.163

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3725	-.3491	-.0048	.3056	.4135	.2778	.1959	.1948	-.2046	
.010		-.3471	.0366	.3689	.4791	.4727	.4564	.4420		
.020		-.3238	.0752	.3469	.4394	.4180	.4240	.4237	-.2093	
.040			.0962	.2988						
.041	-.4326									
.050		-.1976			.2915	.2873	.3015	.3187		
.069									-.2327	
.080					.1820					
.081				.2236						
.086			.1761							
.094		.0000								
.113	-.3655									
.150					.0387	.1054	.1837	.0594		
.157									-.2499	
.163			.2468							
.177				.0642						
.229		-.0104								
.246			.1003							
.247	-.1696									
.250					-.0793	-.0932	-.0135	-.1149		
.274				-.0397						
.345									-.1870	
.362		.1540								
.390			-.0075							

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1413

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU09)

ALPHA0 (1) = -6.167 BETA0 (5) = 4.163

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.400					.0512	-.0538		-.2662		
.402				-.0116						
.418										-.1630
.429	.0901									
.497		.0106								
.503									-.1856	
.547	.0794									
.550					.0461	-.0779				
.565				.1228						
.600								-.2869		
.637			.1537							
.638	.0360									
.650							-.1956			
.670									-.2834	
.700		.1753				-.1149				
.725					-.0657					
.727	.1608									
.730										-.2581
.750							-.3478	-.3719		
.760				-.1233						
.775					-.4216	-.4659				
.793	.2726									
.798			-.1285							
.808				-.4172						
.834		-.0728								
.839			-.4521							
.850					-.4253	-.3844	-.3218			
.857				-.4351						
.862									-.1084	
.865		-.4755								
.879			-.4308							
.900		-.3595			-.4497			-.1654		
.905				-.4603						
.919			-.4035							
.950					-.4220	-.3848	-.2287			
.953				-.4005						
.955			-.3884							
.965		-.3718								
1.000				-.2382		-.3925		-.5170		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1414

ARC11-019 IAB1 EVAP(ELHL UNSEALD) LEFT WING TOP

(RETU09)

ALPHA(2) = -4.143 BETA(1) = -6.157

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2383	-.0941	.0272	.4741	.6358	.5618	.5398	.5643	-.0585	
.010		-.1124	.1334	.5085	.5558	.5801	.5698	.4742		
.020		-.1413	.0316	.4238	.4506	.4497	.4511	.4212	-.0240	
.040			.0437	.3084						
.041	-.2237									
.050		-.1456			.2207	.2110	.2240	.2081		
.069									-.1074	
.080					.0332					
.091				.1400						
.096			.2364							
.094		.0000								
.113	-.1320									
.150					-.2034	-.1536	-.0750	-.1393		
.157									-.3173	
.163			.2564							
.177				-.0811						
.229		-.0392								
.246			-.0048							
.247	-.1200									
.250					-.3163	-.3493	-.3575	-.3338		
.274				-.2775						
.345									-.3979	
.362		.1257								
.390			-.2126							
.400					-.4563	-.5297		-.5812		
.402				-.3831						
.418									-.1127	
.429	.0747									
.497		-.1297								
.503									-.4786	
.547	.0072									
.550					.0301	-.4552				
.565				.0505						
.600								-.5512		
.637			.1182							
.638	-.2028									
.650						-.5536				
.670									-.6767	
.700		.1231				-.0344				
.725				-.0317						
.727	.0571									
.730									-.4805	
.750							-.1734	-.3925		
.760			-.0652							
.775				-.3464	-.3929					

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1416

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA(2) = -4.132 BETA(2) = -4.105

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.2931	-.3132	-.3087	-.2942		
.274				-.2468						
.345									-.3894	
.362		.1180								
.390			-.1907							
.400					-.4285	-.4927		-.5709		
.402				-.3518						
.418										-.1354
.429	.0398									
.497		-.1145								
.503									-.4554	
.547	.0170									
.550					.0461	-.0851				
.565				.1074						
.600								-.5342		
.637			.1504							
.638	-.1897									
.650						-.0781				
.670									-.4133	
.700		.1535				-.0618				
.725				-.0351						
.727	.1087									
.730										-.4866
.750							-.1939	-.3053		
.760				-.0706						
.775					-.3614	-.4196				
.793	.2796									
.798			-.0765							
.808				-.3565						
.834		-.0318								
.839			-.3820							
.850					-.3682	-.2562	-.1225			
.857				-.3588						
.862									-.2173	
.865		-.4040								
.879			-.3289							
.900		-.2851			-.3840			-.0721		
.905				-.3457						
.919			-.3416							
.950					-.2688	-.2529	-.0030			
.953				-.3192						
.955			-.3176							
.965		-.3356								
1.000				-.2032		-.3629		-.2153		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA0(2) = -4.101 BETA0 (3) = .017

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3107	-.2339	-.0387	.3821	.5140	.4106	.3675	.4203	-.1152	
.010		-.2555	-.0082	.4181	.4888	.4829	.4690	.4462		
.020		-.2769	.0286	.3593	.4106	.3792	.3770	.4058	-.1038	
.040			.0557	.2725						
.041	-.3246									
.050		-.1959			.2155	.1859	.1950	.2280		
.069									-.1641	
.080					.0709					
.081				.1542						
.086			.1796							
.094		.0000								
.113	-.2894									
.150					-.1323	-.1019	-.0211	-.0743		
.157									-.3085	
.163			.2304							
.177				-.0412						
.229		-.0792								
.246			.0148							
.247	-.1463									
.250					-.2438	-.3009	-.3035	-.2584		
.274				-.2036						
.345									-.3189	
.362		.1184								
.390			-.1613							
.400					-.1998	-.2537		-.4878		
.402				-.2853						
.418									-.1578	
.429	.0587									
.497		-.1035								
.503									-.3243	
.547	.0148									
.550					.0686	-.0421				
.565				.1293						
.600								-.2200		
.637			.1487							
.638	-.1503									
.650						-.1700				
.670									-.2471	
.700		.1710				-.0834				
.725				-.0436						
.727	.1579									
.730									-.2585	
.750						-.3028	-.2558			
.760			-.0933							
.775				-.3865	-.4300					

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-D19 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA(2) = -4.075 BETAO (4) = 4.131

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250										
.274										
.345										
.362		.1244								
.390			-.0986							
.400										
.402										
.418										
.429	.0969									
.497		-.0630								
.503										
.547	.0372									
.550										
.565										
.600										
.637										
.738	-.0469									
.0										
.670										
.700										
.725										
.727	.1262									
.730										
.750										
.760										
.775										
.793	.2356									
.798										
.808										
.834										
.839										
.850										
.857										
.862										
.865										
.879										
.900										
.905										
.919										
.950										
.953										
.955										
.965										
1.000										

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU09)

ALPHA(2) = -4.067 BETA(5) = 6.191

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3732	-.4239	.0151	.2772	.4402	.3092	.2534	.2612	-.1718	
.010		-.4152	.0505	.2920	.4262	.4142	.4112	.3699		
.020		-.3826	.0794	.2675	.3590	.3397	.3514	.3438	-.1724	
.040			.0963	.2264						
.041	-.4718									
.050		-.2306			.2055	.1922	.2120	.2138		
.069									-.2055	
.080					.0789					
.081				.1562						
.086			.1538							
.094		.0000								
.113	-.4139									
.150					-.0535	.0116	.0809	-.0411		
.157									-.2596	
.163			.1995							
.177				.0019						
.229		.0149								
.246			.0512							
.247	-.1780									
.250					-.1375	-.1914	-.1766	-.1706		
.274				-.1003						
.345									-.2020	
.362		.1141								
.390			-.0720							
.400					-.0280	-.0769		-.2874		
.402				-.0736						
.418									-.1566	
.429	.0955									
.497		-.0478								
.503									-.2081	
.547	.0399									
.550					.0146	-.0883				
.585				.0917						
.600								-.3036		
.637			.1173							
.638	-.0176									
.650						-.2164				
.670								-.2959		
.700		.1339				-.1344				
.725					-.0888					
.727	.1195									
.730									-.2625	
.750							-.3631	-.3875		
.760				-.1418						
.775					-.4387	-.4758				

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TABLE A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETR09)

ALPHAO(2) = -4.057 BETAO (5) = 6.191

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.2266									
.798			-.1483							
.808				-.4287						
.834		-.1054								
.839			-.4598							
.850					-.4384	-.3877	-.3310			
.857				-.4401						
.862									-.1345	
.865		-.4861								
.879			-.4227							
.900		-.3482			-.4692			-.1778		
.905				-.4572						
.919			-.3972							
.950					-.4377	-.3826	-.2370			
.953				-.4046						
.955			-.3780							
.965		-.3629								
1.000			-.2287		-.3403		-.4363			

ALPHA0(3) = -2.045 BETA0 (1) = -6.165

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1422

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(REU09)

ALPHA0(3) = -2.045 BETA0 (1) = -6.165

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/CW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW											
.250						-.3919	-.4442	-.4410	-.4126		
.274					-.3210						
.345										-.4873	
.362			.1054								
.390				-.2507							
.400						-.4928	-.5892		-.6483		
.402					-.4147						
.418											-.2057
.429	.0617										
.497			-.1579								
.503										-.5895	
.547	-.0315										
.550						-.3530	-.5689				
.565					-.0432						
.600									-.6249		
.637				.0252							
.638	-.2314							-.6088			
.650										-.7947	
.670											
.700			.0352				-.0217				
.725						-.0383					
.727	-.0907										
.730											-.6892
.750								-.5418	-.5201		
.760					-.0796						
.775						-.3692	-.3723				
.793	.2427										
.798				-.0746							
.808					-.3351						
.834			-.0213								
.839				-.3711							
.850						-.3648	-.2457	-.2206			
.857					-.3311						
.862										-.8788	
.865			-.3965								
.878				-.3246							
.900			-.2762			-.3449			-.3203		
.905					-.3458						
.919				-.3315							
.950						-.2142	-.2044	.0108			
.953					-.3192						
.955				-.3219							
.965			-.3281								
1.000					-.1845		-.3272		-.2504		

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1423

ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU09)

ALPHA(3) = -2.034 BETA(2) = -2.072

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2413	-.1721	-.0529	.4491	.6098	.5394	.5171	.5398	-.0071	
.010		-.2029	-.0340	.4336	.4619	.4867	.4690	.3574		
.020		-.2281	.0072	.3384	.3613	.3517	.3454	.3021	-.0931	
.040			.0292	.2330						
.041	-.2436									
.050		-.1625			.1369	.1200	.1161	.0924		
.069									-.1771	
.080					-.0230					
.081				.0828						
.086			.1586							
.094		.0000								
.113	-.2095									
.150					-.2339	-.2140	-.1543	-.2230		
.157									-.3848	
.163			.2083							
.177				-.1051						
.229		-.0660								
.246			-.0295							
.247	-.1538									
.250					-.3313	-.3831	-.4129	-.3985		
.274				-.2749						
.345									-.4686	
.362		.1115								
.390			-.2121							
.400					-.4519	-.5364		-.6122		
.402				-.3806						
.418										-.2354
.429	.0401									
.497		-.1204								
.503									-.5347	
.547	.0013									
.550					-.0247	-.4068				
.565			.0356							
.600								-.5784		
.637		.0913								
.638	-.2006									
.650							-.5312			
.670									-.6708	
.700		.0993				-.0940				
.725				-.0652						
.727	.0328									
.730										-.7009
.750						-.2217	-.3897			
.760			-.0934							
.775				-.3821	-.4531					

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1A1A - PRESSURE SOURCE DATA TABULATION

PAGE 1423

ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA(3) = -1.993 BETA(3) = 2.059

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.2929	-.3357	-.3492	-.3432		
.274				-.2244						
.345									-.4277	
.362		.0957								
.390			-.1863							
.400					-.3494	-.4596		-.5722		
.402				-.2936						
.418										-.2442
.429	.0862									
.497		-.1161								
.503									-.4716	
.547	-.0055									
.550					.0150	-.0704				
.565				.0821						
.600								-.3483		
.637			.1070							
.638	-.1557									
.650							-.1824			
.670									-.3530	
.700		.1240				-.1201				
.725					-.0855					
.727	.1031									
.730										
.750							-.3114	-.2394		-.6551
.760				-.1278						
.775					-.4228	-.4593				
.793	.2194									
.798			-.1395							
.803				-.4120						
.834		-.0964								
.839			-.4363							
.850					-.4255	-.3598	-.2516			
.857				-.4208						
.862									-.2003	
.865	-.4651									
.879		-.3913								
.900	-.3312				-.4529			-.0706		
.905				-.4199						
.919		-.3875								
.950					-.3964	-.3550	-.1041			
.953			-.3700	-.3790						
.955										
.965	-.3539									
1.000			-.1845		-.3576		-.4466			

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1426

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU09)

ALPHA0(3) = -1.978 BETA0 (4) = 6.163

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.3646	-.4091	.0078	.3018	.4819	.3796	.3423	.3770	-.1165		
.010		-.4247	.0501	.2741	.3650	.3671	.3471	.2901			
.020		-.4144	.0773	.2269	.2911	.2644	.2554	.2526	-.1573		
.040			.0904	.1708							
.041	-.4601										
.050		-.2664			.1241	.0865	.0833	.0923			
.069									-.2222		
.080					-.0094						
.081				.0908							
.086			.1403								
.094		.0000									
.113	-.4357										
.150					-.1579	-.1392	-.0686	-.1613			
.157									-.3757		
.163			.1586								
.177				-.0572							
.229		.0407									
.246			.0181								
.247	-.1804										
.250					-.2526	-.3124	-.3172	-.3181			
.274				-.1777							
.345									-.3142		
.362		.0941									
.390			-.1427								
.400					-.1403	-.1619		-.4098			
.402				-.1953							
.418									-.2473		
.429	.0932										
.497		-.0996									
.503									-.2111		
.547	.0096										
.550					.0007	-.0813					
.565				.0664							
.600								-.2816			
.637			.0856								
.638	-.1081										
.650							-.2120				
.670									-.3159		
.700		.0998				-.1413					
.725				-.1045							
.727	.0822										
.730									-.3541		
.750							-.3578	-.3330			
.760			-.1517								
.775				-.4447	-.4802						

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA(4) = .052 BETA(1) = -6.173

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4754	-.5208	-.5259	-.4874		
.274				-.4064						
.345									-.5848	
.362		.0749								
.390			-.2993							
.400					-.5271	-.6651		-.7133		
.402				-.4304						
.418										-.3638
.429	.0391									
.497		-.2057								
.503									-.6953	
.547	-.0703									
.550					-.4429	-.6587				
.565				-.1327						
.600								-.6937		
.637			-.0529							
.638	-.2500									
.650							-.6827			
.670									-.8891	
.700		-.0617				-.4501				
.725					-.0430					
.727	-.2450									
.730										-.8458
.750							-.5759	-.6260		
.760				-.1088						
.775					-.4297	-.3847				
.793	.2018									
.798		-.0949								
.808				-.3440						
.834		-.0357								
.839			-.3726							
.850					-.3532	-.2672	-.4523			
.857				-.3352						
.862									-.9300	
.865		-.4089								
.879		-.3406								
.900	-.2890				-.3468			-.4174		
.905				-.3677						
.919		-.3437								
.950					-.2149	-.2245	-.2935			
.953				-.3216						
.955		-.3361								
.965	-.3510									
1.000				-.1631		-.2688		-.3764		

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[A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1429

ARC11-019 [A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA0(4) = .055 BETA0 (2) = -4.122

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2237	-.1335	-.0525	.4993	.6872	.6569	.6464	.6221	.0452	
.010		-.1681	-.0483	.4250	.4037	.4494	.4032	.2295		
.020		-.1927	-.0349	.2990	.2921	.2855	.2569	.1653	-.1705	
.040			.0005	.1687						
.041	-.1975									
.050		-.1525			.0482	.0238	.0025	-.0511		
.069									-.2521	
.080					-.1371					
.081				-.0026						
.086			.1257							
.094		.0000								
.113	-.1522									
.150					-.3285	-.3015	-.2644	-.3342		
.157									-.4610	
.163			.1646							
.177				-.1920						
.229		-.0846								
.246			-.1034							
.247	-.1757									
.250					-.4344	-.5080	-.5205	-.4883		
.274				-.3517						
.345									-.5848	
.362		.0692								
.390			-.2702							
.400					-.5274	-.6353		-.7075		
.402				-.4490						
.418									-.4012	
.429	.0137									
.497		-.1726								
.503									-.6817	
.547	-.0415									
.550					-.4212	-.6160				
.565				-.0904						
.600								-.6834		
.637			-.0201							
.638	-.2482									
.650							-.6755			
.670									-.8349	
.700		-.0160				-.0662				
.725				-.0681						
.727	-.1422									
.730									-.8604	
.750							-.6184	-.5857		
.760				-.1072						
.775					-.3934	-.3976				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1431

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA0(4) = .063 BETAO (3) = -.022

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CM										
.250					-.3684	-.4672	-.4847	-.4759		
.274				-.3150						
.345									-.5634	
.362		.0747								
.390			-.2465							
.400					-.4764	-.5769		-.6823		
.402				-.4134						
.418										-.4337
.429	.0571									
.497		-.1661								
.503									-.6030	
.547	-.0458									
.550					-.0468	-.4788				
.565					-.0106					
.600								-.6342		
.637			.0539							
.638	-.2416									
.650						-.5781				
.670									-.7496	
.700		.0427				-.1250				
.725					-.0838					
.727	-.0040									
.730										-.8507
.750							-.2513	-.4674		
.760				-.1222						
.775					-.3946	-.4917				
.793	.1901									
.798			-.1310							
.808				-.3965						
.834		-.0936								
.839			-.4268							
.850					-.3879	-.2876	-.1582			
.857				-.4049						
.862									-.6588	
.865	-.4476									
.879		-.3817								
.900	-.3364				-.4249			-.2529		
.905			-.4072							
.919			-.3848							
.950				-.3199	-.2873	-.0759				
.953				-.3692						
.955		-.3685								
.965	-.3731									
1.000				-.2007		-.3953		-.2952		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU09)

ALPHA0(4) = .079 BETA0(4) = 4.095

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/P1	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3017	-.3640	-.0541	.3573	.5568	.4896	.4716	.4677	-.0834	
.010		-.3933	.0253	.2974	.3307	.3485	.3133	.1801		
.020		-.3856	.0804	.2229	.2433	.2124	.1893	.1255	-.2235	
.040			.0977	.1458						
.041	-.3905									
.050		-.3123			.0469	.0011	-.0173	-.0600		
.069									-.2901	
.080					-.0808					
.081				.0326						
.086			.1487							
.094		.0000								
.113	-.3605									
.150					-.2498	-.2632	-.2310	-.3158		
.157									-.4725	
.163			.1466							
.177				-.1215						
.229		.0229								
.246			-.0199							
.247	-.2056									
.250					-.3110	-.3887	-.4233	-.4629		
.274				-.2556						
.345									-.5259	
.362		.0948								
.390			-.2006							
.400					-.3999	-.5156		-.6432		
.402				-.3357						
.418									-.4884	
.429	.1122									
.497		-.1239								
.503									-.5286	
.547	-.0022									
.550					-.0220	-.1156				
.565				.0313						
.600								-.5815		
.637		.0525								
.638	-.1832									
.650						-.1985				
.670								-.5726		
.700		.0627				-.1491				
.725				-.1024						
.727	.0302									
.730									-.8389	
.750							-.2869	-.2924		
.760			-.1556							
.775				-.4288	-.4936					

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA0(4) = .086 BETA0(5) = 6.161

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.2987	-.3752	-.3964	-.4164			
.274				-.2322							
.345									-.5084		
.362		.0889									
.390			-.1833								
.400					-.2643	-.4831		-.6042			
.402				-.2966							
.418										-.4685	
.429	.1136										
.497		-.1170									
.503									-.4952		
.547	.0007										
.550					-.0255	-.1063					
.565				.0236							
.600								-.3897			
.637			.0531								
.638	-.1670										
.650							-.2081				
.670									-.4387		
.700		.0615				-.1467					
.725					-.1151						
.727	.0357										
.730										-.7820	
.750							-.3307	-.2646			
.760				-.1648							
.775					-.4444	-.4878					
.793	.1790										
.798			-.1701								
.808				-.4361							
.834		-.1287									
.839			-.4720								
.850					-.4410	-.3860	-.2894				
.857				-.4354							
.852									-.2921		
.865		-.5016									
.879			-.4151								
.900		-.3462			-.4667			-.1209			
.905				-.4407							
.919			-.3972								
.950					-.4025	-.3697	-.1563				
.953				-.3990							
.955			-.3778								
.965		-.3546									
1.000				-.1745		-.2572		-.4546			

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[A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1435

ARC11-019 [A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU09)

ALPHA(5) = 2.173 BETA(1) = -6.160

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.2012	-.0849	-.0800	.5297	.7352	.7161	.7025	.6339	.0019		
.010		-.1262	-.0890	.3904	.3161	.3632	.2905	.0765			
.020		-.1192	-.0807	.2387	.1922	.1834	.1322	-.0034	-.3047		
.040			-.0215	.0859							
.041	-.1725										
.050		-.1132			-.0576	-.0813	-.1201	-.2033			
.069									-.3615		
.080					-.2224						
.091				-.0801							
.086			.1098								
.094		.0030									
.113	-.0966										
.150					-.4462	-.4509	-.4110	-.4445			
.157									-.5534		
.163			.1157								
.177				-.2991							
.229		-.0962									
.246			-.1703								
.247	-.1466										
.250					-.5493	-.6249	-.6156	-.5753			
.274				-.4711							
.345									-.6982		
.362		.0548									
.390			-.3556								
.400					-.5873	-.7396		-.7695			
.402				-.4965							
.418									-.5498		
.429	.0246										
.497		-.2371									
.503									-.7852		
.547	-.0906										
.550					-.5547	-.7396					
.565			-.2105								
.600								-.7373			
.637			-.1355								
.638	-.2981										
.650						-.7448					
.670								-.9114			
.700		-.1721				-.6304					
.725				-.1025							
.727	-.3064										
.730									-.9352		
.750							-.6268	-.6417			
.760			-.1541								
.775					-.4089	-.4257					

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(REU09)

[illegible]

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TABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1437

ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA(5) = 2.175 BETA(2) = -2.076

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4819	-.5704	-.5815	-.5612		
.274				-.3879						
.345									-.6831	
.362		.0621								
.390			-.3009							
.400					-.5590	-.6890		-.7662		
.402				-.4712						
.418										-.6180
.429	.0285									
.497		-.1918								
.503									-.7691	
.547	-.0599									
.550					-.5030	-.6668				
.565				-.1552						
.600								-.7225		
.637			-.0866							
.638	-.2718									
.650							-.7216			
.670									-.8582	
.700		-.0913				-.1244				
.725					-.1086					
.727	-.2266									
.730										-.8486
.750							-.6340	-.6296		
.760				-.1458						
.775					-.4181	-.4448				
.793	.1629									
.798			-.1338							
.808				-.3747						
.834		-.0830								
.839			-.4165							
.850					-.4157	-.3009	-.4773			
.857				-.3858						
.862									-.8304	
.865	-.4387									
.879			-.3800							
.900	-.3206				-.4168			-.4439		
.905				-.4059						
.919			-.3834							
.950					-.2851	-.2350	-.1493			
.953				-.3836						
.955			-.3624							
.965	-.3639									
1.000				-.1547		-.2476		-.3762		

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TAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA0 (5) = 2.187 BETA0 (3) = 2.048

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1940	-.2821	-.1704	.3571	.5793	.5590	.5519	.5091	-.1170	
.010		-.3257	-.0954	.2579	.2288	.2938	.2499	.0640		
.020		-.3277	-.0073	.1553	.1398	.1428	.1081	-.0067	-.3226	
.040			.0281	.0538						
.041	-.3209									
.050		-.3044			-.0641	-.0837	-.1116	-.1893		
.069									-.3752	
.080					-.2064					
.081				-.0748						
.086			.0994							
.094		.0000								
.113	-.3006									
.150					-.3496	-.3532	-.3188	-.4095		
.157									-.5514	
.163			.0966							
.177				-.2023						
.229		-.0526								
.246			-.1181							
.247	-.2378									
.250					-.4111	-.5202	-.5547	-.5516		
.274				-.3342						
.345									-.6615	
.362		.0510								
.390			-.2626							
.400					-.4922	-.6052		-.7400		
.402				-.4004						
.418									-.6646	
.429	.0774									
.497		-.1776								
.503									-.7003	
.547	-.0611				-.1122	-.5615				
.550				-.0535						
.565										
.600								-.6970		
.637			-.0132							
.638	-.2335									
.650						-.6435				
.670								-.8437		
.700		-.0053				-.1613				
.725				-.1409						
.727	-.0717									
.730									-.8597	
.750						-.3033	-.5749			
.760			-.1588							
.775				-.4324	-.5090					

1A81A - PRESSURE SOURCE DATA TABULATION

(REU09)

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

ALPHA0(5) = 2.187 BETA0 (3) = 2.048

SECTION (1) LEFT WING TJP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.793

.798

.808

.834

.839

.850
257

.857
052

.062
0.06

.855
879

.879
000

900
905

.905
918

.919
950

.950
953

955
955

.955
.965

1.000

ALPHA0(5) = 2.192 BETA0 (4) = 6.163

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000

.010

.020

.040

.041

.050

.069

.080

.081

+ 086

.094

.113
169

.150
157

.157
163

163
177

229

246

.248
.247

1247

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA0(5) = 2.192 BETA0 (4) = 6.163

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3784	-.4490	-.5185	-.5486		
.274				-.2811						
.345									-.6517	
.362		.0728								
.390			-.2309							
.400					-.4534	-.5704		-.7069		
.402				-.3603						
.418										-.7369
.429	.1190									
.497		-.1450								
.503									-.6219	
.547	-.0288									
.550					-.0892	-.2419				
.565				-.0385						
.600								-.6452		
.637			.0064							
.638	-.2242									
.650							-.2542			
.670									-.7444	
.700		.0070				-.1753				
.725				-.1408						
.727	-.0621									
.730									-.9302	
.750							-.2998	-.4380		
.760				-.1694						
.775					-.4619	-.5102				
.793	.1623									
.798			-.1715							
.808				-.4480						
.834		-.1346								
.839			-.4817							
.850					-.4551	-.3642	-.2467			
.857				-.4446						
.862									-.7153	
.865	-.5118									
.879		-.4176								
.900	-.2514				-.4860			-.1898		
.905				-.4485						
.919			-.3986							
.950					-.3909	-.3594	-.1315			
.953				-.4014						
.955			.3745							
.965	-.3625									
1.000				-.1519		-.1992		-.4213		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1441

ARC(1-019 IAB) LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU09)

ALPHA(6) = 4.247 BETA(1) = -6.141

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1965	-.0247	-.1382	.4891	.6990	.6944	.6719	.5819	-.1058	
.010		-.0720	-.1055	.3011	.1857	.2316	.1486	-.0724		
.020		-.0999	-.0543	.1346	.0752	.0550	-.0047	-.1626	-.4692	
.040			-.0120	-.0083						
.041	-.1905									
.050		-.1229			-.1601	-.1916	-.2502	-.3402		
.069									-.5040	
.080					-.3321					
.081				-.2001						
.086			.0375							
.094		.0000								
.113	-.1063									
.150					-.5040	-.5471	-.5211	-.5570		
.157									-.6611	
.153			.0653							
.177				-.3818						
.229		-.1193								
.246			-.2303							
.247	-.1349									
.250					-.6454	-.7064	-.7012	-.6628		
.274				-.5179						
.345									-.7249	
.362		.0379								
.390			-.4056							
.400					-.6853	-.8321		-.8085		
.402				-.5554						
.418									-.6905	
.429	.0336									
.497		-.2725								
.503									-.7469	
.547	-.1223				-.6495	-.8006				
.550				-.3031						
.565								-.7578		
.600										
.637			-.2165							
.638	-.3517									
.650						-.7465				
.670								-.6658		
.700		-.2958				-.6301				
.725				-.1516						
.727	-.3880									
.730									-.6615	
.750						-.6235	-.6588			
.760				-.1917						
.775					-.3912	-.4995				

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1443

ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA(6) = 4.249 BETA(2) = -4.035

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.5929	-.6886	-.6903	-.6624			
.274				-.4788							
.345									-.7261		
.362		.0337									
.390			-.3651								
.400					-.6490	-.7930		-.8227			
.402				-.5351							
.418										-.7388	
.429	.0067										
.497		-.2360									
.503									-.7528		
.547	-.0924										
.550					-.6210	-.7764					
.565				-.2504							
.600								-.7604			
.637			-.1964								
.638	-.3300										
.650							-.7572				
.670									-.6674		
.700		-.2483									
.725					-.1410						
.727	-.3623										
.730										-.6698	
.750							-.6227	-.6580			
.760				-.1916							
.775					-.4285	-.4600					
.793	.1356										
.798			-.1524								
.808				-.3668							
.834		-.0685									
.839			-.4723								
.850					-.3565	-.2631	-.5251				
.857				-.3627							
.862									-.6633		
.865		-.4374									
.879			-.3820								
.900		-.3122			-.3328			-.6593			
.905			-.3805								
.919			-.3689								
.950				-.2188	-.2438	-.4443					
.953			-.3281								
.955			-.3517								
.965		-.3592									
1.000			-.1085		-.1957		-.6279				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP1ELHL UNSEALED LEFT WING TOP

(RETU09)

ALPHA0 (6) = 4.254 BETA0 (3) = -.002

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1454	-.2208	-.2452	.2543	.6058	.5829	.5768	.4971	-.2249	
.010		-.2842	-.1959	.2125	.1480	.2874	.1276	-.0918		
.020		-.2916	-.1187	.0880	.0558	.0467	-.0127	-.1705	-.5008	
.040			-.0753	-.0236						
.041	-.2709									
.050		-.2776			-.1511	-.1870	-.2427	-.3376		
.069									-.5228	
.080					-.3137					
.081				-.1572						
.086			.0481							
.094		.0000								
.113	-.2576									
.150					-.4709	-.5111	-.4812	-.5403		
.157									-.6600	
.163			.0663							
.177				-.2951						
.229		-.1182								
.246			-.1825							
.247	-.2609									
.250					-.5356	-.6374	-.6662	-.6430		
.274				-.4303						
.345									-.7468	
.362		.0363								
.390			-.3389							
.400					-.5973	-.7322		-.8069		
.402				-.5034						
.418									-.7890	
.429	.0515									
.497		-.2343								
.503									-.7753	
.547	-.1004									
.550					-.4770	-.7103				
.565			-.1768							
.600								-.7595		
.637			-.1156							
.638	-.3243									
.650							-.7695			
.670									-.6896	
.700		-.1105				-.1856				
.725				-.1434						
.727	-.2502									
.730									-.6902	
.750							-.6665	-.6426		
.760			-.1781							
.775				-.4367	-.4496					

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(RETV09)

246
247

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1446

ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU09)

ALPHA(6) = 4.256 BETA(4) = 4.108

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4500	-.5921	-.6220	-.6258		
.274				-.3407						
.345									-.7330	
.362		.0470								
.390			-.2687							
.400					-.5209	-.6505		-.7907		
.402				-.4160						
.418										-.7905
.429	.0879									
.497		-.1759								
.503									-.7719	
.547	-.0501									
.550					-.2053	-.6110				
.565				-.1095						
.600								-.7342		
.637			-.0736							
.638	-.2588									
.650							-.7046			
.670									-.6840	
.700		-.0650				-.1994				
.725					-.1636					
.727	-.1863									
.730										-.6820
.750							-.3618	-.6217		
.760				-.1733						
.775					-.4585	-.5099				
.793	.1426									
.798			-.1850							
.808				-.4288						
.834		-.1398								
.839			-.4832							
.850					-.4452	-.3738	-.2251			
.857				-.4335						
.862									-.6749	
.865		-.5644								
.879			-.4170							
.900		-.3510			-.4768			-.4886		
.905				-.4411						
.919			-.3984							
.950					-.3136	-.3059	-.1111			
.953				-.3755						
.955			-.3715							
.965		-.3564								
1.000				-.1184		-.1695		-.5386		

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1447

ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA(6) = 4.255 BETA(5) = 6.174

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2691	-.5140	-.0653	.1988	.4677	.5002	.4777	.4028	-.3356	
.010		-.5193	-.0229	.1010	.1326	.1699	.0859	-.1207		
.020		-.5043	.0033	.0453	.0636	.0247	-.0454	-.1922	-.5141	
.040			.0119	-.0044						
.041	-.3852									
.050		-.4146			-.1143	-.1750	-.2435	-.3445		
.069									-.5222	
.080					-.2400					
.081				-.0843						
.086			.0332							
.094		.0000								
.113	-.3999									
.150					-.3706	-.4087	-.3844	-.5025		
.157									-.6412	
.163			.0308							
.177				-.2035						
.229		.0675								
.246		-.0945								
.247	-.2646									
.250					-.4126	-.5396	-.6085	-.6116		
.274				-.3014						
.345									-.7355	
.362		.0608								
.390		-.2581								
.400					-.4878	-.6159		-.7771		
.402				-.3837						
.418									-.8313	
.423	.1075									
.497		-.1609								
.503									-.7585	
.547	-.0428									
.550					-.1523	-.4389				
.565				-.0877						
.600								-.7184		
.637		-.0298								
.638	-.2446									
.650						-.5479				
.670								-.7115		
.700	-.0232					-.2079				
.725				-.1449						
.727	-.1315									
.730									-.7092	
.750						-.2984	-.6001			
.760				-.1701						
.775					-.4654	-.5064				

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1449

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA0(7) = 6.369 BETA0(1) = -4.073

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.6598	-.7574	-.7592	-.7423		
.274				-.5160						
.345									-.7303	
.362		.0237								
.390			-.3968							
.400					-.7036	-.8531		-.7969		
.402				-.5693						
.418									-.7634	
.429	.0103									
.497		-.2621								
.503									-.7364	
.547	-.1092									
.551					-.6861	-.8163				
.563				.4126						
.600								-.7861		
.637			-.3257							
.638	-.3599									
.650							-.7151			
.670								-.6831		
.700		-.4218			-.6851					
.725					-.2041					
.727	-.4230									
.730									-.6768	
.750							-.6416	-.6886		
.760				-.2411						
.775					-.3818	-.6006				
.793	.0978									
.798			-.1889							
.808				-.3492						
.834		-.0646								
.839			-.3916							
.850					-.4034	-.4238	-.5618			
.857				-.3529						
.862									-.6835	
.865		-.4397								
.879			-.3641							
.900		-.2979			-.3589			-.6788		
.905				-.3740						
.919			-.3514							
.950					-.2489	-.2890	-.5041			
.953				-.3370						
.955			-.3349							
.985		-.3228								
1.000				-.1282		-.2218		-.6545		

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1450

ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING TOP

(RETU09)

ALPHA(7) = 6.370 BETA(2) = -2.035

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2590	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.0904	-.1339	-.3478	-.3393	-.6058	-.6078	-.5842	-.4632	-.3308	
.010		-.2227	-.3045	-.1595	-.0479	-.1029	-.0095	-.2311		
.020		-.2403	-.2188	-.0169	-.0336	-.0600	-.1332	-.3117	-.6820	
.040			-.1637	-.0830						
.041	-.2218									
.050		-.2347			-.2478	-.2832	-.3533	-.4779		
.069									-.6820	
.080					-.3911					
.081				-.2506						
.086			-.0388							
.094		.0000								
.113	-.2008									
.150					-.5903	-.5961	-.5967	-.6482		
.157									-.7181	
.163			.0252							
.177				-.3676						
.229		-.1600								
.246			-.2226							
.247	-.2161									
.250					-.6302	-.7423	-.7505	-.7413		
.274				-.4985						
.345									-.7388	
.362		.0322								
.390			-.3812							
.400					-.6752	-.8390		-.8012		
.402				-.5565						
.418										-.7551
.429	.0449									
.497		-.2638								
.503									-.7340	
.547	-.1093									
.550					-.6627	-.7987				
.565				-.3474						
.600								-.7910		
.637			-.2938							
.638	-.3637									
.650							-.7248			
.670								-.6881		
.700		-.3764				-.6080				
.725					-.1878					
.727	-.4135									
.730										-.6844
.750							-.6447	-.6922		
.760				-.2307						
.775					-.3755	-.5618				

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1451

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA0(7) = 6.370 BETA0 (2) = -2.035

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1168									
.798			-.1906							
.809				-.3842						
.834	-.0847									
.839			-.4345							
.850					-.4029	-.3413	-.5575			
.857				-.3768						
.862									-.6874	
.865	-.4670									
.879			-.4060							
.900	-.3314				-.3738			-.6770		
.905				-.3873						
.919			-.3750							
.950					-.2456	-.2636	-.4862			
.953				-.3460						
.955			-.3375							
.965	-.3328									
1.000				-.1090		-.1694		-.6404		

ALPHA0(7) = 6.369 BETA0 (3) = .015

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1294	-.2404	-.4123	.2890	.5817	.5697	.5438	.4350	-.3652	
.010		-.3089	-.3110	.1231	.0370	.0932	-.0020	-.2390		
.020		-.3106	-.1818	-.0044	-.0430	-.0621	-.1386	-.3154	-.6780	
.040			-.1230	-.0926						
.041	-.2674									
.050		-.2843			-.2442	-.2766	-.3489	-.4769		
.069									-.6820	
.080					-.3876					
.081				-.2418						
.085			.0127							
.094		.0000								
.113	-.2547									
.150					-.5782	-.5829	-.5788	-.6369		
.157									-.7438	
.163			.0271							
.177				-.3499						
.229		-.1108								
.246			-.2168							
.247	-.2537									

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA0(7) = 6.369 BETA0 (3) = .015

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.6056	-.7267	-.7359	-.7284		
.274				-.4742						
.345									-.7664	
.362		.0293								
.390			-.3687							
.400					-.6472	-.7991		-.8307		
.402				-.5244						
.418										-.7813
.429	.0681									
.497		-.2635								
.503									-.7637	
.547	-.1188									
.550					-.5779	-.7838				
.565				-.2870						
.600								-.8024		
.637			-.2392							
.638	-.3624									
.650							-.7750			
.670									-.7127	
.700		-.3128				-.5917				
.725					-.1875					
.727	-.3940									
.730										-.7112
.750							-.6567	-.7044		
.760				-.2139						
.775					-.4113	-.4950				
.793	.1415									
.798			-.1790							
.808				-.3968						
.834		-.0875								
.839			-.4527							
.850					-.4224	-.3364	-.5630			
.857				-.4102						
.862									-.7107	
.865		-.4778								
.879			-.4166							
.900		-.3410			-.4126			-.6953		
.905				-.4163						
.919			-.3933							
.950					-.2555	-.2461	-.4871			
.953				-.3781						
.955			-.3579							
.965		-.3450								
1.000				-.1148		-.1332		-.6486		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA(7) = 6.366 BETA(4) = 2.074

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1660	-.3242	-.3732	.2419	.5427	.5395	.5212	.4143	-.3933	
.010		-.3880	-.2397	.0906	.0143	.0817	-.0065	-.2403		
.020		-.3741	-.1007	-.0134	-.0577	-.0643	-.1304	-.3162	-.6834	
.040			-.0612	-.0953						
.041	-.2941									
.050		-.3219			-.2482	-.2748	-.3397	-.4656		
.069									-.6884	
.080					-.3657					
.081				-.2196						
.086			.0177							
.094		.0000								
.113	-.2984									
.150					-.5188	-.5665	-.5612	-.6278		
.157									-.7376	
.163			.0164							
.177				-.3338						
.229		-.0536								
.246			-.1940							
.247	-.2840									
.250					-.5527	-.7074	-.7193	-.7223		
.274				-.4443						
.345									-.7727	
.362		.0219								
.390			-.3474							
.400					-.5885	-.7547		-.8309		
.402				-.5022						
.418										-.7700
.429	.0794									
.497		-.2510								
.503									-.7643	
.547	-.1151				-.3245	-.7381				
.550										
.565			-.2129							
.600								-.7985		
.637			-.1563							
.638	-.3408									
.650							-.7877			
.670									-.7124	
.700		-.1569				-.2265				
.725				-.1848						
.727	-.3265									
.730										-.7070
.750							-.6601	-.6852		
.760			-.1910							
.775				-.4351	-.4941					

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TABLE A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(CLHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA0(7) = 5.366 BETA0 (4) = 2.074

SECTION (11) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1585									
.798			-.1861							
.808				-.4112						
.834		-.1144								
.839			-.4737							
.850					-.4153	-.3597	-.5285			
.857				-.4335						
.862									-.7124	
.865		-.4940								
.879			-.4198							
.900		-.3491			-.4347			-.6737		
.905				-.4372						
.919			-.3999							
.950					-.2729	-.2441	-.3619			
.953				-.3869						
.955			-.3739							
.965		-.3424								
1.000			-.0948		-.1644			-.6136		

ALPHA0(7) = 6.365 BETA0 (5) = 4.127

[illegible]

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING TOP

(RETU09)

ALPHA(7) = 6.365 BETA(5) = 4.127

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X: CW										
.250					-.5058	-.6664	-.7161	-.7228		
.274				-.3790						
.345									-.7739	
.362		.0309								
.390			-.3023							
.400					-.5621	-.7165		-.8245		
.402				-.4536						
.418										-.7638
.429	.0843									
.497		-.1987								
.503									-.7618	
.547	-.0801									
.550					-.2593	-.6848				
.565				-.1767						
.600								-.7941		
.637			-.1167							
.638	-.2882									
.650							-.7874			
.670									-.7017	
.700		-.0948				-.2187				
.725					-.1803					
.727	-.2285									
.730										-.6967
.750							-.6523	-.6460		
.760				-.1912						
.775					-.4686	-.5076				
.793	.1294									
.798			-.1985							
.808				-.4532						
.834		-.1466								
.839			-.5060							
.850					-.4477	-.3485	-.3166			
.857				-.4468						
.862									-.7017	
.865		-.5063								
.879			-.4210							
.900		-.3487			-.4642			-.6172		
.905				-.4371						
.919			-.4018							
.950					-.2289	-.2519	-.1423			
.953				-.3337						
.955			-.3660							
.965		-.3450								
1.000				-.0925		-.1467		-.5596		

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TABLE A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN) (02 OCT 74)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT.   XMRP = 976.0000 IN. XT
LREF = 1297.0000 INCHES   YMRP = .0000 IN. YT
BREF = 1297.0000 INCHES   ZMRP = 400.0000 IN. ZT
SCALE = .0300 SCALE

```

PARAMETRIC DATA

MACH	=	1.100	RN/FT	=	2.250
ELV-IB	=	8.000	ELV-OB	=	4.000
RUDDER	=	.000	CCBRK	=	.000

BETA0 (1) = .019 ALPHA0(1) = -6.200

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU10)

BETA0 (1) = .019 ALPHA0(1) = -6.200

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.700		.1992				-.0355				
.725					.0229					
.727	.1894									
.730										
.750							-.3064	-.3073		-.2248
.760				-.0393						
.775					-.3995	-.4392				
.793	.2856									
.798			-.0784							
.808				-.3870						
.834		-.0427								
.839			-.4098							
.850					-.4048	-.3486	-.2578			
.857				-.4032						
.862									-.0608	
.865		-.4455								
.879			-.3927							
.900		-.3167			-.4240			-.0777		
.905				-.4089						
.919			-.3782							
.950					-.3695	-.3540	-.1404			
.953				-.3677						
.955			-.3535							
.965		-.4125								
1.000				-.2478		-.4258		-.4711		

BETA0 (1) = .001 ALPHA0(2) = -4.091

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3068	-.2277	-.0316	.3827	.5098	.4108	.3596	.3777	-.1270	
.010		-.2519	-.0028	.4183	.4891	.4864	.4642	.4117		
.020		-.2714	.0342	.3560	.4095	.3835	.3788	.3690	-.1004	
.040			.0620	.2716						
.041	-.3251									
.050		-.1889			.2133	.1878	.1904	.1963		
.069									-.1694	
.080					.0635					
.081				.1524						
.086			.1895							
.094		.0000								
.113	-.2886									

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU10)

BETA0 (1) = .001 ALPHA0(2) = -4.091

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.150					-.1388	-.1029	-.1138	-.1121			
.157									-.3205		
.163			.2344								
.177				-.0439							
.229		-.0723									
.246			.0188								
.247	-.1415										
.250					-.2571	-.3029	-.3176	-.3281			
.274				-.1997							
.345									-.3349		
.362		.1230									
.390			-.1588								
.400					-.3394	-.4308		-.5044			
.402				-.2940							
.418									-.1599		
.429	.0688										
.497		-.0985									
.503									-.3588		
.547	.0243										
.550					.0477	-.0316					
.565				.1147							
.600								-.2044			
.637			.1408								
.638	-.1464										
.650							-.1549				
.670									-.2028		
.700		.1582				-.0245					
.725					.0136						
.727	.1374										
.730									-.3389		
.750							-.2910	-.2668			
.760				-.0459							
.775					-.4034	-.4335					
.793	.2512										
.798			-.0918								
.808				-.3906							
.834		-.0597									
.839			-.4069								
.850					-.4051	-.3413	-.2253				
.857				-.3980							
.862									-.0886		
.865		-.4426									
.879			-.3812								
.900		-.3164			-.4243			-.0288			
.905				-.4027							

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{RETV10}

.547

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1460

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETVIO)

BETA0 (1) = -.016 ALPHA0(3) = -2.000

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.550								
.565			.0696	-.0050	-.0829			
.600								
.637		.0982					-.5452	
.638	-.1948							
.650								
.670						-.1018		
.700		.1058			-.0343			-.5930
.725				.0065				
.727	.0580							
.730								
.750								
.760			-.0517			-.2358	-.2372	
.775								-.6836
.793	.2124			-.4017	-.4545			
.798		-.1001						
.808			-.3903					
.834	-.0734							
.839		-.4062						
.850				-.3990	-.3283	-.1820		
.857			-.4014					
.862								-.1780
.865	-.4441							
.879		-.3784						
.900	-.3262			-.4216			-.0525	
.905			-.4050					
.919		-.3792						
.950				-.3479	-.3144	-.0429		
.953			-.3635					
.955		-.3579						
.965	-.4113							
1.000			-.2151		-.4177		-.3421	

BETA0 (1) = -.022 ALPHA0(4) = .085

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2157	-.2482	-.0628	.4244	.5989	.5506	.5421	.5394	-.0218
.010		-.2738	-.0471	.3639	.3629	.3997	.3663	.2203	
.020		-.2738	-.0103	.2610	.2674	.2534	.2362	.1572	-.1867
.040			.0277	.1551					
.041	-.2860								

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU10)

BETA0 () = -.022 ALPHA0 () = .085

SECTION () LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.2339			.0443	.0197	.0031	-.0412		
.069									-.2659	
.080					-.1235					
.081				.0105						
.086			.1488							
.094		.0000								
.113	-.2479									
.150					-.2919	-.2904	-.3275	-.3253		
.157									-.4639	
.163			.1618							
.177				-.1492						
.229		-.0819								
.246			-.0779							
.247	-.1961									
.250					-.3741	-.4626	-.4855	-.5044		
.274				-.2928						
.345									-.5620	
.362		.0843								
.390			-.2405							
.400					-.4856	-.5744		-.6846		
.402				-.4028						
.418									-.4355	
.429	.0722									
.497		-.1546								
.503									-.6574	
.547	-.0336									
.550					-.1023	-.5362				
.565				-.0315						
.600								-.6444		
.637			.0219							
.638	-.2293									
.650						-.6048				
.670								-.8203		
.700		.0303				-.0637				
.725					-.0407					
.727	-.0396									
.730									-.8885	
.750							-.2463	-.4487		
.760				.0699						
.775					-.4105	-.4741				
.793	.1884									
.798			-.1143							
.808				-.3934						
.834		-.0819								
.839			-.4192							

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IA81A - PRESSURE SOURCE DATA TABULATION

PAGE 1462

ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU10)

BETA0 (1) = -.022 ALPHA0(4) = .085

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.4112	-.3110	-.1469			
.857				-.4078						
.862									-.8193	
.865		-.4492								
.879			-.3914							
.900		-.3361			-.4381			-.2527		
.905				-.4126						
.919			-.3952							
.950					-.3519	-.2931	-.0593			
.953				-.3766						
.955			-.3753							
.965		-.4220								
1.000				-.2113		-.4120		-.3226		

BETA0 (1) = -.019 ALPHA0(5) = 2.189

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1760	-.2236	-.1433	.3979	.6109	.5897	.5838	.5346	-.0874	
.010		-.2651	-.1164	.2952	.2566	.3135	.2581	.0650		
.020		-.2738	-.0596	.1753	.1640	.1558	.1161	-.0062	-.3145	
.040			-.0196	.0577						
.041	-.2766									
.050		-.2621			-.0584	-.0854	-.1172	-.1983		
.069									-.3690	
.080					-.2148					
.081				-.0724						
.086			.0961							
.094		.0000								
.113	-.2454									
.150					-.3726	-.3636	-.3969	-.4125		
.157									-.5538	
.163			.1085							
.177				-.2204						
.229		-.0987								
.246			-.1353							
.247	-.2312									
.250					-.4640	-.5570	-.5771	-.5813		
.274				-.3613						
.345									-.6746	
.362		.0614								
.390			-.2924							

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1AB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU10)

BETA0 (1) = -.019 ALPHA0(5) = 2.189

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.400					-.5381	-.6462		-.7534		
.402				-.4465						
.418										-.6391
.429	.0647									
.497		-.1944								
.503									-.7711	
.547	-.0688									
.550					-.2666	-.6133				
.565				-.1045						
.600								-.7304		
.637			-.0534							
.638	-.2684									
.650							-.7036			
.670									-.9609	
.700		-.0396				-.1251				
.725					-.0791					
.727	-.1216									
.730										-.10045
.750							-.4747	-.7002		
.760				-.0893						
.775					-.4058	-.4318				
.793	.1784									
.798			-.1195							
.808				-.3985						
.834		-.0861								
.839			-.4263							
.850					-.4464	-.3606	-.1683			
.857				-.4188						
.862									-.9806	
.865	-.4599									
.879		-.4050								
.900	-.3423				-.4596			-.3386		
.905				-.4250						
.919			-.4071							
.950					-.3543	-.2795	-.0814			
.953				-.4031						
.955			-.3843							
.965	-.4347									
1.000				-.1817		-.3046		-.4357		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU10)

BETA0 (1) = -.014 ALPHA0(6) = 4.274

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1454	-.2213	-.2372	.3616	.6085	.5986	.5772	.4938	-.2222	
.010		-.2829	-.1848	.2237	.1521	.2162	.1342	-.0860		
.020		-.2929	-.1100	.0955	.0664	.0553	-.0069	-.1677	-.4969	
.040			-.0665	-.0161						
.041	-.2699									
.050		-.2779			-.1485	-.1762	-.2351	-.3330		
.069									-.5191	
.080					-.3039					
.081				-.1450						
.086			.0621							
.094		.0000								
.113	-.2596									
.150					-.4516	-.4900	-.5165	-.5384		
.157									-.6543	
.163			.0713							
.177				-.2829						
.229		-.1081								
.246			-.1748							
.247	-.2586									
.250					-.5298	-.6260	-.6582	-.6502		
.274				-.4087						
.345									-.7810	
.362		.0397								
.390			-.3294							
.400					-.5885	-.7235		-.8056		
.402				-.4928						
.418										-.8030
.429	.0600									
.497		-.2317								
.503									-.8565	
.547	-.0978									
.550					-.4857	-.7029				
.565				-.1722						
.600								-.8072		
.637			-.1388							
.638	-.3195									
.650						-.7760				
.670								-.9916		
.700		-.1614				-.1769				
.725				-.1145						
.727	-.2969									
.730										-.1.0052
.750							-.7851	-.7803		
.760			-.1134							
.775				-.4176	-.4492					

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TAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

BETA0 (1) = -.014 ALPHA0(6) = 4.274

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.793	.1575									
.798			-.1292							
.808				-.3922						
.834		-.1018								
.839			-.4306							
.850					-.4368	-.3712	-.2156			
.857				-.4043						
.862									-.9984	
.865		-.4805								
.879			-.4134							
.900		-.3476			-.4422			-.5539		
.905				-.4250						
.919			-.3987							
.950					-.3255	-.2687	-.0860			
.953				-.4033						
.955			-.3733							
.965		-.4242								
1.000			-.1315		-.2072			-.4585		

BETAO (1) = .001 ALPHAO(7) = 6.376

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU10)

BETA0 (1) = .001 ALPHA0(7) = 6.376

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.6064	-.7262	-.7418	-.7450		
.274				-.4681						
.345									-.8062	
.362		.0307								
.390			-.3676							
.400					-.6445	-.7981		-.8660		
.402				-.5267						
.418									-.8406	
.429	.0724									
.497		-.2614								
.503									-.8157	
.547	-.1164									
.550					-.5973	-.7954				
.565				-.2945						
.600								-.8276		
.637			-.2521							
.638	-.3569									
.650							-.8381			
.670									-.8039	
.700		-.3039				-.5882				
.725					-.1903					
.727	-.3947									
.730									-.7955	
.750							-.7310	-.7764		
.760				-.1788						
.775					-.4258	-.4985				
.793	.1387									
.798			-.1678							
.808				-.4029						
.834		-.0850								
.839			-.4530							
.850					-.4403	-.3567	-.5956			
.857				-.4180						
.862									-.7988	
.865		-.4766								
.879			-.4345							
.900		-.3437			-.4336			-.7599		
.905				-.4293						
.919			-.4084							
.950					-.2587	-.2309	-.4706			
.953				-.3895						
.955			-.3721							
.965		-.4047								
1.000				-.1102		-.1239		-.6920		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN) (17 OCT 75)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT.   XMRP = 976.0000 IN. XT
LREF = 1297.0000 INCHES   YMRP = .0000 IN. YT
BREF = 1297.0000 INCHES   ZMRP = 400.0000 IN. ZT
SCALE = .0300 SCALE

```

PARAMETRIC DATA

MACH	=	1.250	RN/FT	=	2.250
ELV-IB	=	8.000	ELV-OB	=	4.000
RUDDER	=	.000	SPDRBK	=	.000

ALPHA0(1) = -6.258 BETA0(1) = -4.078

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB; LVAP(ELHL SEALED) LEFT WING TOP

(RETI11)

ALPHA(1) = -6.244 BETA(2) = -2.027

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.0348	.0478	.0000	.0502		
.157									-.2558	
.163			.1712							
.177				.0195						
.229		-.0507								
.246			-.0248							
.247	-.1020									
.250					-.1631	-.1683	-.1494	-.1624		
.274				-.1319						
.345									-.2681	
.362		.0508								
.390			-.1196							
.400					-.2997	-.3221		-.3811		
.402				-.2560						
.418									-.1473	
.429	-.0498									
.497		-.1076								
.503									-.3040	
.547	-.0398									
.550					-.1285	-.3698				
.565			.0268							
.600								-.4612		
.637			.0923							
.638	-.1308									
.650						-.4197				
.670								-.4251		
.700		.0903				-.0438				
.725				.1008						
.727	.0243									
.730									-.2888	
.750						-.2966	-.4831			
.760			.0648							
.775				-.2193	-.2431					
.793	.2427									
.798			.0143							
.808				-.2242						
.834		.0298								
.839			-.2396							
.850				-.2222	-.1613	-.1612				
.857			-.2363							
.862								-.3623		
.865	-.2858									
.879		-.2347								
.900	-.1856				-.2489			-.1885		
.905			-.2504							

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(RETURN)

DEPENDENT VARIABLE CP

X / CH

-.2161 -.1880 -.0333

-.2161 -.1880 -.0333

TABLE 1

- .4609

DEPENDENT VARIABLE CP

X/CW

- .3301

5125

.4509

3131

. 3047

• **2003**

. 1566

- .0606

- .0581

1000000

- .0393

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(REU11)

ALPHA0(1) = -6.209 BETA0 (3) = .049

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.550					-.0035	-.3213				
.565				.0903						
.600								-.4559		
.637			.1258							
.638	-.1119									
.650							-.2566			
.670									-.4201	
.700		.1384				.0440				
.725				.1101						
.727	.0920									
.730										-.2945
.750							-.1860	-.4362		
.760				.0531						
.775					-.2403	-.2560				
.793	.2596									
.798			.0035							
.808				-.2350						
.834		.0328								
.839			-.2604							
.850					-.2409	-.1894	-.1462			
.857				-.2522						
.862									-.2171	
.865		-.2941								
.879			-.2536							
.900		-.1925			-.2708			.0155		
.905				-.2722						
.919			-.2539							
.950					-.2476	-.2088	-.0508			
.953				-.2468						
.955			-.2423							
.965		-.2806								
1.000				-.3249		-.4636		-.2146		

ALPHA0(1) = -6.193 BETA0 (4) = 2.114

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3311	-.1918	-.2249	.1938	.4448	.3462	.2866	.2914	-.3149	
.010		-.2075	-.1819	.2855	.5092	.4904	.4742	.4331		
.020		-.2259	-.1473	.2804	.4506	.4271	.4236	.4115	-.2459	
.040			-.1314	.2388						
.041	-.2751									

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA(1) = -6.193 BETA(4) = 2.114

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.2162			.3047	.2825	.2881	.2847		
.069									-.2538	
.080					.1739					
.081				.1430						
.086			-.0185							
.094		.0000								
.113	-.2295									
.150					-.0116	.0781	.0000	.0267		
.157									-.3203	
.163			.1574							
.177				.0450						
.229		-.0780								
.246			-.0166							
.247	-.1290									
.250					-.1309	-.1543	-.1615	-.1823		
.274				-.0933						
.345									-.2996	
.362		.0409								
.390			-.0910							
.400					-.2492	-.2922		-.3782		
.402				-.1999						
.418									-.1839	
.429	-.0693									
.497		-.0949								
.503									-.3190	
.547	-.0305									
.553					.0447	-.1065				
.565				.1237						
.600								-.4403		
.637			.1452							
.638	-.1002									
.650							-.0826			
.670								-.3998		
.700		.1491				.0743				
.725					.1036					
.727	.1018									
.730									-.3168	
.750							-.1554	-.2205		
.760				.0415						
.775					-.2489	-.2664				
.793	.2712									
.798			-.0020							
.808				-.2462						
.834		.0281								
.839			-.2718							

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TABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETI11)

ALPHA(1) = -6.193 BETA(4) = 2.114

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.2572	-.2164	-.1602			
.857				-.2630						
.862									.0383	
.865										
.879		-.3114								
.900		-.2294	-.2695							
.905				-.2898	-.2823			.0292		
.919			-.2702							
.950					-.2667	-.2208	-.0836			
.953				-.2644						
.955			-.2569							
.965		-.2967								
1.000			-.2753		-.4540			-.2411		

ALPHA(1) = -6.181 BETA(5) = 4.175

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3033	-.2495	-.1983	.1900	.4088	.2987	.2409	.2902	-.2169	
.010		-.2629	-.1640	.2645	.4763	.4542	.4366	.4420		
.020		-.2707	-.1371	.2589	.4223	.3930	.3905	.4200	-.2153	
.040			-.1180	.2218						
.041	-.2992									
.050		-.2269			.2851	.2588	.2661	.3035		
.069									-.2274	
.080					.1654					
.081				.1463						
.086			-.0277							
.094		.0000								
.113	-.2554									
.150					-.0044	.0972	.0000	.0486		
.157									-.2799	
.163			.1418							
.177				.0482						
.229		-.0966								
.246			.0040							
.247	-.1384									
.250					-.1235	-.1568	-.1431	-.1609		
.274				-.0810						
.345									-.2758	
.362		.0464								
.390			-.0827							

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1474

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA(1) = -6.181 BETA(5) = 4.175

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.400					-.2337	-.2786		-.3510		
.402				-.1828						
.418										-.1643
.429	-.0746									
.497		-.0841								
.503									-.2768	
.547	-.0227				.0784	.0434				
.550										
.565				.1352						
.600								-.3331		
.637			.1512							
.638	-.0975						.0186			
.650									-.0165	
.670										
.700		.1519				.1040				
.725					.1281					
.727	.0983									
.730										-.2828
.750							-.1412	-.1555		
.760				.0542						
.775					-.2445	-.2659				
.793	.2735									
.798			-.0015							
.808				-.2396						
.834		.0279								
.839			-.2634							
.850					-.2554	-.2254	-.1542			
.857				-.2492						
.862									.0506	
.865	-.3057									
.879			-.2656							
.900	-.2083				-.2799			.0104		
.905				-.2869						
.919			-.2520							
.950					-.2633	-.2213	-.0872			
.953				-.2548						
.955			-.2491							
.965	-.2781									
1.000				-.2182		-.3895		-.2878		

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA(2) = -4.161 BETA(1) = -6.152

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.0755	.0094	-.0975	.3534	.6264	.5822	.5559	.5688	-.0433	
.010		-.0194	-.0657	.4308	.5914	.6260	.6128	.5344		
.020		-.0514	-.0479	.3705	.4994	.5092	.5107	.4917	-.0203	
.040			-.0337	.2762						
.041	-.1322									
.050		-.0824			.2797	.2900	.3002	.3016		
.069									-.0802	
.080					.0902					
.081				.1460						
.086			.0812							
.094		.0000								
.113	-.0843									
.150					-.1147	-.0414	.0000	-.0165		
.157									-.2259	
.163			.1945							
.177				-.0413						
.229		-.0362								
.246			-.0402							
.247	-.0993									
.250					-.2400	-.2580	-.2359	-.2279		
.274				-.2162						
.345									-.2753	
.362		.0735								
.390			-.1726							
.400					-.3672	-.4159		-.4406		
.402				-.3277						
.418										-.0686
.429	-.0316									
.497		-.1259								
.503									-.3259	
.547	-.0351									
.550					-.4111	-.4590				
.565				-.3188						
.600								-.5075		
.637			-.2085							
.638	-.1711									
.650							-.5138			
.670								-.5101		
.700		-.2537				-.4628				
.725				-.0847						
.727	-.2400									
.730										-.3101
.750							-.5574	-.5488		
.760				.0425						
.775					-.2394	-.3276				

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

ALPHAO(2) = -4.149 BETA0 (2) = -4.101

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.2318	-.2472	-.2286	-.2281		
.274				-.2007						
.345									-.2888	
.362		.0427								
.390			-.1664							
.400					-.3551	-.4094		-.4367		
.402				-.3115						
.418										-.0955
.429	-.0514									
.497		-.1385								
.503									-.3246	
.547	-.0480									
.550					-.3780	-.4331				
.565				-.2821						
.600								-.5031		
.637			-.0870							
.638	-.1631									
.650							-.4970			
.670									-.4911	
.700		-.1347				-.2971				
.725					-.0405					
.727	-.2236									
.730										-.3188
.750							-.5439	-.5453		
.760				.0483						
.775					-.2223	-.2945				
.793	.1850									
.798			.0208							
.808				-.2017						
.834		.0381								
.839			-.2264							
.850					-.2042	-.1912	-.4612			
.857				-.2153						
.862									-.4657	
.865		-.2843								
.879			-.2283							
.900	-.1992				-.2267			-.4199		
.905				-.2370						
.919			-.2393							
.950					-.1861	-.1708	-.1567			
.953				-.2171						
.955			-.2322							
.965	-.2727									
1.000				-.3922		-.4458		-.3117		

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETV11)

ALPHA(2) = -4.119 BETA(3) = .013

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2823	-.1380	-.1924	.2249	.5242	.4569	.4105	.4197	-.2834	
.010		-.1667	-.1598	.3061	.5121	.5148	.4991	.4369		
.020		-.1920	-.1313	.2707	.4381	.4191	.4147	.4044	-.1762	
.040			-.1161	.2132						
.041	-.2420									
.050		-.2008			.2470	.2356	.2382	.2390		
.069									-.2041	
.080					.1017					
.081				.1218						
.086			-.0123							
.094		.0000								
.113	-.1883									
.150					-.0827	-.0330	.0000	-.0383		
.157									-.2926	
.163			.1213							
.177				-.0194						
.229		-.0849								
.246			-.0547							
.247	-.1639									
.250					-.2047	-.2129	-.2030	-.2165		
.274				-.1575						
.345									-.3127	
.362		.0089								
.390			-.1378							
.400					-.3267	-.3598		-.4284		
.402				-.2746						
.418									-.1369	
.429	-.0843									
.497		-.1243								
.503									-.3286	
.547	-.0552									
.550					-.1427	-.4019				
.565				.0009						
.600								-.5044		
.637			.0650							
.638	-.1380									
.650						-.4567				
.670								-.4660		
.700		.0756				-.0817				
.725				.0638						
.727	.0075									
.730									-.3314	
.750							-.3310	-.5051		
.760				.0282						
.775					-.2463	-.2617				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(REU11)

ALPHA0(2) = -4.119 BETA0 (3) = .013

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.2187									
.798			-.0216							
.808				-.2508						
.834	.0014									
.839			-.2704							
.850					-.2453	-.1828	-.1931			
.857				-.2641						
.862									-.4229	
.865	-.3102									
.879			-.2620							
.900	-.2188				-.2727			-.2222		
.905				-.2767						
.919			-.2688							
.950					-.2463	-.2082	-.0597			
.953				-.2562						
.955			-.2565							
.965	-.3055									
1.000			-.3056		-.4747			-.1416		

ALPHA0(2) = -4.090 BETA0 (4) = 4.141

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2989	-.2813	-.1607	.2409	.4496	.3572	.3153	.3607	-.1201	
.010		-.2960	-.1409	.2727	.4313	.4324	.4171	.4056		
.020		-.3032	-.1231	.2476	.3687	.3505	.3497	.3779	-.1491	
.040			-.1031	.1986						
.041	-.3089									
.050		-.2735			.2153	.1937	.1993	.2305		
.069									-.1761	
.080					.0970					
.081				.1077						
.086			-.0098							
.094		.0000								
.113	-.2779				-.0653	-.0272	.0000	-.0217		
.150									-.2756	
.157										
.163			.1358							
.177				.0018						
.229		-.1207								
.246			-.0205							
.247	-.1913									

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA(2) = -4.090 BETA(4) = 4.141

SECTION 1 LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.1783	-.2149	-.1915	-.2185		
.274				-.1340						
.345									-.2794	
.362		.0294								
.390			-.1212							
.400					-.2948	-.3265		-.4155		
.402				-.2367						
.418										-.1540
.429	-.0887									
.497		-.0988								
.503									-.3083	
.547	-.0227									
.550					-.0017	-.1894				
.565					.0657				-.4506	
.600										
.637			.0989							
.638	-.1200									
.650							-.1339			
.670									-.4459	
.700		.0917				.0547				
.725					.0998					
.727	.0389									
.730										-.3773
.750							-.1654	-.3000		
.760				.0241						
.775					-.2566	-.2701				
.793	.2234									
.798			-.0237							
.808				-.2548						
.834		-.0039								
.839			-.2736							
.850					-.2652	-.2318	-.1584			
.857				-.2669						
.862									-.0334	
.865		-.3116								
.879			-.2678							
.900		-.2198			-.2897			.0732		
.905			-.2858							
.919			-.2694							
.950					-.2731	-.2280	-.0516			
.953			-.2649							
.955			-.2555							
.965		-.3000								
1.000				-.2184		-.4287		-.2873		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

ALPHA0(2) = -4.088 BETA0 (5) = 6.203

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.2789	-.3319	-.1237	.2340	.5135	.3690	.2894	.2813	-.1968	
.010		-.3419	-.1060	.2559	.4526	.4225	.3926	.3493		
.020		-.3438	-.0866	.2328	.3911	.3464	.3272	.3254	-.2161	
.040			-.0746	.1973						
.041	-.3230									
.050		-.2919			.2594	.1897	.1857	.1875		
.069									-.2345	
.080					.1247					
.081				.1082						
.086			.0129							
.094		.0000								
.113	-.3108									
.150					-.0443	-.0155	.0000	-.0359		
.157									-.2971	
.163			.1521							
.177				.0410						
.229		-.1262								
.246			-.0094							
.247	-.1942									
.250					-.1425	-.1951	-.2028	-.2196		
.274				-.0918						
.345									-.2831	
.362		.0414								
.390			-.0743							
.400					-.1838	-.2881		-.3972		
.402				-.1349						
.418										-.1798
.429	-.0749									
.497		-.0739								
.503									-.2863	
.547	-.0187									
.550					.0408	-.0524				
.565				.1012						
.600								-.3823		
.637			.1269							
.638	-.0456									
.650							-.0863			
.670									-.3241	
.700		.1234				.0393				
.725					.0535					
.727	.0806									
.730										-.3731
.750							-.1879	-.1919		
.760				-.0053						
.775					-.2750	-.2977				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAPIELHL SEALED) LEFT WING TOP

(RETI11)

ALPHA0(3) = -2.044 BETA0 (1) = -6.169

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.2946	-.3172	-.3010	-.2818		
.274				-.2605						
.345									-.3114	
.362		.0489								
.390			-.2096							
.400					-.4120	-.4614		-.4809		
.402				-.3603						
.418										-.0664
.429	-.0596									
.497		-.1531								
.503									-.3881	
.547	-.0477									
.550					-.4644	-.5114				
.565				-.3603						
.600								-.5322		
.637			-.3168							
.638	-.2054									
.650							-.5509			
.670								-.5863		
.700		-.2988				-.5088				
.725				-.1578						
.727	-.2618									
.730									-.4860	
.750							-.5823	-.5668		
.760				-.0512						
.775					-.2775	-.4856				
.793	.0525									
.799			-.0231							
.808				-.1985						
.834		.0245								
.839			-.2116							
.850					-.2508	-.2481	-.5433			
.857				-.2023						
.862									-.6168	
.865		-.2740								
.879			-.2226							
.900	-.1960				-.2391			-.4666		
.905				-.2197						
.919			-.2329							
.950					-.1784	-.2176	-.3694			
.953				-.2079						
.955		-.2284								
.965	-.2731									
1.000				-.4095		-.3493		-.4289		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA(3) = -2.029 BETA(2) = -2.075

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1658	-.0775	-.1505	.2943	.5927	.5579	.5253	.5262	.0182	
.010		-.1168	-.1059	.3358	.4946	.5276	.5082	.4199		
.020		-.1477	-.0561	.2614	.4089	.4034	.3977	.3751	-.0450	
.040			-.0406	.1674						
.041	-.2120									
.050		-.1692			.1931	.1837	.1864	.1867		
.069									-.1050	
.080					.0213					
.081				.0738						
.086			.0014							
.094		.0000								
.113	-.1533									
.150					-.1741	-.1134	.0000	-.1067		
.157									-.2562	
.163			.1068							
.177				-.0970						
.229		-.0829								
.246			-.0971							
.247	-.1636									
.250					-.2764	-.3131	-.3019	-.2961		
.274				-.2395						
.345									-.3080	
.362		-.0011								
.390			-.1967							
.400					-.3854	-.4468		-.4873		
.402				-.3385						
.418										-.1367
.429	-.0856									
.497		-.1639								
.503									-.3814	
.547	-.0737									
.550					-.4108	-.4788				
.565				-.3043						
.600								-.5366		
.637			-.1149							
.638	-.1832									
.650							-.5382			
.670								-.5602		
.700		-.1636				-.3517				
.725					-.0864					
.727	-.2319									
.730										-.5983
.750							-.5509	-.5528		
.760				.0078						
.775					-.2507	-.3256				

IASIA - PRESSURE SOURCE DATA TABULATION

ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

ALPHA0(3) = -2.029 BETA0 (2) = -2.075

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.793	.1599									
.798			-.0173							
.808				-.2306						
.834	.0055									
.839			-.2542							
.850					-.2284	-.2115	-.4788			
.857				-.2484						
.862									-.5596	
.865	-.3020									
.879			-.2601							
.900	-.2248				-.2516			-.4292		
.905				-.2718						
.919			-.2704							
.950					-.2170	-.1774	-.2099			
.953				-.2500						
.955			-.2610							
.965	-.3039									
1.000			-.3501		-.4320			-.3505		

ALPHA0(3) = -2.008 BETA0 (3) = 2.060

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TABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 (A81 LVAP (ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA(3) = -2.008 BETA(3) = 2.060

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.2448	-.2849	-.2931	-.3062			
.274				-.1967							
.345									-.3139		
.362		.0262									
.390			-.1638								
.400					-.3588	-.4101		-.4848			
.402				-.2985							
.418									-.2367		
.429	-.0920										
.497		-.1257									
.503									-.3622		
.547	-.0404										
.550					-.2235	-.4373					
.565				-.0571							
.600								-.5313			
.637			.0252								
.638	-.1579										
.650						-.4943					
.670								-.5335			
.700		.0215			-.1508						
.725				.0104							
.727	-.0717										
.730									-.6077		
.750						-.4118	-.5217				
.760				-.0054							
.775				-.2709	-.2888						
.793	.1890										
.798			-.0531								
.808				-.2732							
.834	-.0241										
.839			-.2981								
.850				-.2712	-.2321	-.2191					
.857				-.2893							
.862								-.4719			
.865	-.3278										
.879		-.2926									
.900	-.2422				-.2951			-.2181			
.905				-.3122							
.919		-.2942									
.950					-.2811	-.2225	-.0642				
.953				-.2833							
.955		-.2836									
.965	-.3206										
1.000				-.2327	-.4554			-.2532			

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA0(3) = -1.995 BETA0 (4) = 6.179

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2957	-.3711	-.1157	.2760	.5407	.4214	.3607	.3561	-.0853	
.010		-.3826	-.0937	.2532	.4108	.3918	.3604	.2960		
.020		-.3733	-.0569	.2127	.3407	.2908	.2750	.2533	-.1447	
.040			-.0430	.1668						
.041	-.3352									
.050		-.3100			.1702	.1196	.1134	.1048		
.069									-.1961	
.080					.0344					
.081				.1063						
.086			.0175							
.094		.0000								
.113	-.3374									
.150					-.1157	-.1029	.0000	-.1239		
.157									-.2863	
.163			.1327							
.177				-.0037						
.229		-.1243								
.246			-.0041							
.247	-.2308									
.250					-.2069	-.2441	-.2370	-.2670		
.274				-.1269						
.345									-.2991	
.362		.0636								
.390			-.0899							
.400					-.2975	-.3582		-.451		
.402				-.2176						
.418									-.2327	
.429	-.0533									
.497		-.0615								
.503									-.3445	
.547	.0250									
.550					-.0352	-.2933				
.565			.0400							
.600								-.4672		
.637			.0855							
.638	-.1027									
.650						-.2313				
.670								-.4816		
.700		.0683				-.0159				
.725				.0220						
.727	.0078									
.730									-.6037	
.750							.2234	-.3324		
.760			-.0274							
.775				-.2921	-.3019					

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ARC11-019 1A84 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

ALPHA0(3) = -1.995 BETA0 (4) = 6.179

SECTION (LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1978									
.798			-.0682							
.808				-.2898						
.834	-.0437									
.839			-.3161							
.850					-.2979	-.2723	-.1891			
.857				-.2968						
.862									-.2160	
.865	-.3516									
.879			-.3032							
.900	-.2563				-.3192			-.0352		
.905				-.3190						
.919			-.2909							
.950					-.3052	-.2497	-.0560			
.953				-.2876						
.955			-.2831							
.965	-.3287									
1.000			-.2314		-.3933			-.3158		

ALPHA0(4) = .065 BETA0 (1) = -6.174

[illegible]

1A81A - PRESSURE SOURCE DATA TABULATION

(RETURN)

ARC11-019 1A81 LVAP(EL) SEALED) LEFT WING TOP

ALPHA0(4) = .066 BETA0 (1) = -6.174

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.250							
.274			-.3098	-.3710	-.3847	-.3644	-.3470
.345							-.3946
.362	.0367						
.390		-.2576					
.400				-.4802	-.5307		-.5322
.402			-.4083				
.418							-.1995
.429	-.0595						
.497		-.1746					
.503							-.4948
.547	-.0657						
.550				-.5091	-.5673		
.565			-.4140				
.600						-.5803	
.637		-.3743					
.638	-.2286						
.650						-.6037	
.670							-.7037
.700		-.3301			-.5680		
.725				-.2876			
.727	-.2918						
.730							-.6538
.750						-.5815	-.6169
.760			-.1379				
.775				-.3493	-.6193		
.793	-.0338						
.798		-.0962					
.808			-.2303				
.834		-.0215					
.839		-.2317					
.850				-.2459	-.3528	-.5780	
.857			-.2205				
.862							-.7997
.865	-.2835						
.879		-.2369					
.900	-.2059			-.2357			-.5351
.905			-.2408				
.919		-.2463					
.950				-.1863	-.2518	-.4254	
.953			-.2244				
.955		-.2453					
.965	-.2807						
1.000			-.3733		-.3729		-.5116

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETI11)

ALPHA(4) = .072 BETA(2) = -4.124

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.1590	-.0375	-.0833	.3672	.6671	.6641	.6307	.6539	.1200		
.010		-.0801	-.0319	.3568	.4689	.5271	.4855	.3697			
.020		-.1114	-.0299	.2495	.3743	.3764	.3504	.3163	-.0232		
.040			-.0273	.1358							
.041	-.2129										
.050		-.1327			.1355	.1342	.1169	.1074			
.069									-.1066		
.080					-.0282						
.081				.0170							
.086			.0073								
.094		.0000									
.113	-.1509										
.150					-.2328	-.1867	.0000	-.1690			
.157									-.2950		
.163			.1015								
.177				-.1631							
.229		-.0971									
.246			-.1170								
.247	-.1512										
.250					-.3618	-.3855	-.3694	-.3518			
.274				-.3092							
.345									-.4003		
.362		.0081									
.390			-.2565								
.400					-.4637	-.5264		-.5322			
.402				-.4006							
.418									-.2328		
.429	-.0742										
.497		-.1936									
.503									-.4957		
.547	-.0902										
.550					-.4942	-.5578					
.565				-.3917							
.600								-.5802			
.637			-.3349								
.638	-.2383										
.650						-.6002					
.670								-.6909			
.700		-.3155				-.5536					
.725					-.1794						
.727	-.2856										
.730									-.6783		
.750							-.5840	-.6142			
.760			-.1014								
.775					-.2897	-.5042					

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETO11)

ALPHA0(4) = .072 BETA0 (2) = -4.124

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0160									
.798			-.0720							
.808				-.2240						
.834		-.0163								
.839			-.2411							
.850					-.2728	-.2798	-.5659			
.857				-.2298						
.862									-.7980	
.865		-.2942								
.879			-.2521							
.900		-.2193			-.2662			-.5322		
.905				-.2464						
.919			-.2640							
.950					-.2007	-.2412	-.3752			
.953				-.2377						
.955			-.2576							
.965		-.2996								
1.000				-.3740		-.3811		-.4940		

ALPHA0(4) = .075 BETA0 (3) = -.018

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3287	-.1545	-.1664	.3590	.6115	.5703	.5371	.5331	.0729	
.010		-.1942	-.0901	.3273	.4009	.4422	.4122	.3122		
.020		-.2186	-.0775	.2301	.3115	.3048	.2890	.2585	-.0575	
.040			-.0675	.1296						
.041	-.2799									
.050		-.2252			.1018	.0851	.0761	.0735		
.069									-.1276	
.080					-.0532					
.081				.0228						
.086			-.0320							
.094		.0000								
.113	-.1989									
.150					-.2305	-.1822	.0000	-.1850		
.157									-.3036	
.163			.0798							
.177				-.1351						
.229		-.1133								
.246			-.1056							
.247	-.2180									

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETI11)

ALPHA0(41) = .075 BETA0 (3) = -.018

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.3214	-.3781	-.3687	-.3615			
.274				-.2619							
.345									-.3903		
.362		-.0169									
.390			-.2103								
.400					-.4117	-.4792		-.5276			
.402				-.3545							
.418										-.2856	
.429	-.1032										
.497		-.1647									
.503									-.4706		
.547	-.0772										
.550					-.4298	-.5041					
.565				-.3231							
.600								-.5667			
.637			-.1486								
.638	-.1998										
.650							-.5596				
.670									-.6511		
.700		-.2029				-.4068					
.725					-.1184						
.727	-.2446										
.730										-.7090	
.750							-.5507	-.5927			
.760				-.0356							
.775					-.2878	-.3623					
.793	.1274										
.798			-.0578								
.808				-.2537							
.834		-.0335									
.839			-.2817								
.850					-.2598	-.2561	-.4965				
.857				-.2711							
.862									-.7415		
.865		-.3279									
.879			-.2885								
.900		-.2590			-.2766			-.4860			
.905				-.2951							
.919			-.2979								
.950					-.2483	-.1801	-.2546				
.953				-.2755							
.955			-.2914								
.965		-.3313									
1.000				-.3057		-.4459		-.4248			

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETV11)

ALPHA0(4) = .088 BETA0(4) = 4.105

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.4290	-.2899	-.1553	.2999	.5481	.4913	.4739	.5265	.0039		
.010		-.3130	-.1246	.2606	.3330	.3679	.3512	.2827			
.020		-.3127	-.0887	.1925	.2603	.2429	.2548	.2366	-.1190		
.040			-.0651	.1278							
.041	-.3447										
.050		-.2711			.0734	.0477	.0766	.0628			
.069									-.1806		
.080					-.0639						
.081				.0229							
.086			.0012								
.094		.0000									
.113	-.2890										
.150					-.2081	-.1788	.0000	-.1911			
.157									-.3359		
.163			.0914								
.177				-.0950							
.229		-.1131									
.246			-.0654								
.247	-.2349										
.250					-.2908	-.3505	-.3430	-.3545			
.274				-.2186							
.345									-.4042		
.362		.0290									
.390			-.1850								
.400					-.3820	-.4345		-.5159			
.402				-.3206							
.418										-.3671	
.429	-.0755										
.497		-.1337									
.503									-.4709		
.547	-.0399										
.550					-.2920	-.4450					
.565				-.1438							
.600								-.5388			
.637			-.0344								
.636	-.1730										
.650							-.5117				
.670									-.6371		
.700		-.0656				-.1613					
.725					.0048						
.727	-.1602										
.730										-.7540	
.750							-.4524	-.5468			
.760				-.0142							
.775					-.2691	-.2911					

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(RETURN)

.247

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETI11)

ALPHA0 (4) = .092 BETA0 (5) = 6.164

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CM										
.250					-.2611	-.3337	-.3426	-.3623		
.274				-.1819						
.345									-.4016	
.362		.0520								
.390			-.1402							
.400					-.3551	-.4168		-.5150		
.402				-.2737						
.418										-.3962
.429	-.0475									
.497		-.0746								
.503									-.4523	
.547	.0085									
.550					-.1785	-.4216				
.555					-.0563					
.600								-.5252		
.637			.0176							
.638	-.1210									
.650						-.4753				
.670								-.5982		
.700		-.0127				-.0818				
.725					-.0016					
.727	-.1044									
.730									-.7628	
.750							-.3071	-.5166		
.760				-.0382						
.775					-.3008	-.3108				
.793	.1898									
.798			-.0728							
.808				-.2936						
.834		-.0456								
.839			-.3113							
.850					-.3027	-.2822	-.1927			
.857				-.3009						
.862								-.5680		
.865	-.3533									
.879		-.3088								
.900	-.2526				-.3192			-.1727		
.905			-.3218							
.919		-.2926								
.950					-.3068	-.2444	-.0390			
.953				-.2908						
.955		-.2826								
.965	-.3315									
1.000				-.2162		-.3746		-.2826		

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA(5) = 1.116 BETA(1) = -6.171

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1196	.0027	-.0832	.4111	.7496	.7199	.7164	.7076	.1493	
.010		-.0403	-.0228	.3705	.4759	.5231	.4862	.3231		
.020		-.0685	-.0076	.2493	.3719	.3637	.3439	.2599	-.0569	
.040			-.0037	.1283						
.041	-.1758									
.050		-.0854			.1193	.1132	.1016	.0462		
.069									-.1273	
.080					-.0608					
.081				-.0042						
.086			.0169							
.094		.0000								
.113	-.1243									
.150					-.2741	-.2226	.0000	-.2020		
.157									-.3189	
.163			.0984							
.177				-.1766						
.229		-.0973								
.246			-.1210							
.247	-.1133									
.250					-.4000	-.4144	-.3926	-.3706		
.274				-.3267						
.345									-.4342	
.362		.0266								
.390			-.2683							
.400					-.4985	-.5521		-.5528		
.402				-.4209						
.418									-.2821	
.429	-.0663									
.497		-.1882								
.503									-.5341	
.547	-.0813									
.550					-.5262	-.5888				
.565			-.4196							
.600								-.5934		
.637			-.3846							
.638	-.2412									
.650							-.6110			
.670									-.7386	
.700		-.3482				-.5767				
.725				-.3771						
.727	-.3130									
.730										-.7035
.750							-.5793	-.6312		
.760			-.1686							
.775				-.3889	-.6082					

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA0(5) = 1.116 BETA0 (1) = -6.171

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	-.0657									
.798			-.1145							
.808				-.2425						
.834		-.0465								
.839			-.2376							
.850					-.2392	-.4104	-.5806			
.857				-.2276						
.862									-.8090	
.865		-.2955								
.879			-.2369							
.900		-.2152			-.2299			-.5642		
.905				-.2463						
.919			-.2444							
.950					-.1791	-.2725	-.4310			
.953				-.2287						
.955			-.2428							
.965		-.2917								
1.000			-.3314		-.3613			-.5324		

ALPHA0(5) = 1.120 BETA0 (2) = -2.081

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA(5) = 1.120 BETA(2) = -2.081

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3810	-.4080	-.3943	-.3752		
.274				-.3161						
.345									-.4350	
.362		-.0222								
.390			-.2520							
.400					-.4644	-.5396		-.5470		
.402				-.3931						
.418										-.3438
.429	-.0832									
.497		-.2017								
.503									-.5247	
.547	-.1023									
.550					-.4831	-.5545				
.565				-.3728						
.600								-.5898		
.637			-.2881							
.638	-.2308									
.650							-.6016			
.670									-.7041	
.700		-.2977				-.5262				
.725				-.1632						
.727	-.2751									
.730										-.7427
.750							-.5743	-.6190		
.760				-.0864						
.775				-.2995	-.4303					
.793	.0618									
.798		-.0672								
.808			-.2318							
.834	-.0288									
.839		-.2546								
.850				-.2729	-.2419	-.5480				
.857			-.2458							
.862									-.8059	
.865	-.3133									
.879		-.2633								
.900	-.2436			-.2726				-.5381		
.905			-.2698							
.919		-.2807								
.950				-.2139	-.2444	-.3471				
.953			-.2596							
.955		-.2788								
.965	-.3221									
1.000			-.3857		-.4101		-.5047			

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA0(5) = 1.132 BETA0 (3) = 2.044

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5310	.6730	.7200	.8870	.9720	1.0000	
X/CW											
.000	-.4100	-.2322	-.1409	.3419	.5875	.5450	.5268	.5145	.0140		
.010		-.2711	-.1231	.2778	.3178	.3637	.3397	.2209			
.020		-.2780	-.1062	.1822	.2374	.2293	.2174	.1627	-.1408		
.040			-.0920	.0931							
.041	-.3291										
.050		-.2410			.0355	.0203	.0115	-.0129			
.069									-.2006		
.080					-.1074						
.081				-.0106							
.086			-.0263								
.094		.0000									
.113	-.2586										
.150					-.2600	-.2368	.0000	-.2343			
.157									-.3631		
.163			.0685								
.177				-.1531							
.229		-.1241									
.246			-.1095								
.247	-.2416										
.250					-.3332	-.4022	-.4055	-.3990			
.274				-.2657							
.345									-.4561		
.362		.0019									
.390			-.2156								
.400					-.4238	-.4959		-.5564			
.402				-.3599							
.418									-.4389		
.429	-.0968										
.497		-.1580									
.503									-.5324		
.547	-.0651										
.550					-.4343	-.5139					
.565				-.2993							
.600								-.5917			
.637			-.1347								
.638	-.2134										
.650							-.5700				
.670								-.6942			
.700		-.1859				-.3486					
.725					-.1154						
.727	-.2510										
.730									-.7784		
.750							-.5583	-.6188			
.760				-.0443							
.775					-.3027	-.3654					

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETI11)

ALPHA(5) = 1.141 BETA(4) = 6.158

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.2881	-.3866	-.3925	-.4047		
.274				-.2127						
.345									-.4580	
.362		.0583								
.390			-.1627							
.400					-.3885	-.4571		-.5482		
.402				-.3047						
.418										-.5185
.429	-.0412									
.497		-.0932								
.503									-.5225	
.547	.0117									
.550					-.3040	-.4591				
.565				-.1473						
.600								-.5603		
.637			-.0724							
.638	-.1664									
.650						-.5190				
.670								-.6713		
.700		-.1154				-.1445				
.725				-.0319						
.727	-.2087									
.730										-.8178
.750							-.4347	-.5600		
.760				-.0477						
.775					-.3114	-.3252				
.793	.1749									
.798			-.0792							
.808				-.2939						
.834	-.0400									
.839			-.3180							
.850					-.3044	-.2774	-.2246			
.857				-.3060						
.862									-.6691	
.865	-.3530									
.879		-.3148								
.900	-.2513				-.3225			-.2816		
.905				-.3298						
.919			-.3002							
.950					-.3072	-.2452	-.0851			
.953			-.3002							
.955		-.2879								
.965	-.3273									
1.000			-.2001		-.3485		-.3155			

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETV11)

ALPHA(6) = 3.217 BETA(1) = -6.163

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1020	.0091	-.0090	.4073	.7609	.7553	.7487	.7065	.0794	
.010		-.0409	-.0432	.3240	.3750	.4442	.3836	.1982		
.020		-.0708	-.0532	.2064	.2730	.2758	.2373	.1192	-.1953	
.040			-.0497	.0869						
.041	-.1863									
.050		-.0743			.0344	.0330	.0000	-.0646		
.069									-.2412	
.080					-.1327					
.081				-.0696						
.086			-.0242							
.094		.0000								
.113	-.1495									
.150					-.3477	-.3013	.0000	-.3035		
.157									-.4055	
.163			.0394							
.177				-.2185						
.229		-.1096								
.246			-.1407							
.247	-.1018									
.250					-.4594	-.4808	-.4641	-.4428		
.274				-.3760						
.345									-.5340	
.362		.0056								
.390			-.2992							
.400					-.5436	-.6045		-.5967		
.402				-.4508						
.418									-.4411	
.429	-.0649									
.497		-.1899								
.503									-.6221	
.547	-.0830									
.550					-.5531	-.6378				
.565				-.4521						
.600								-.6363		
.637			-.4171							
.638	-.2592									
.650						-.6177				
.670								-.8159		
.700		-.3698				-.6115				
.725					-.4293					
.727	-.3360									
.730									-.7859	
.750							-.6129	-.6509		
.760				-.2407						
.775					-.5007	-.6213				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA(6) = 3.217 BETA(1) = -6.163

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	-1.1427									
.798			-1.1840							
.808				-1.2987						
.834		-1.0868								
.839			-1.2702							
.850					-1.3007	-1.5231	-1.5872			
.857				-1.2743						
.862								-1.8394		
.865	-1.3058									
.879		-1.2621								
.900	-1.2174				-1.2267			-1.6062		
.905			-1.2774							
.919		-1.2621								
.950					-1.1587	-1.4217	-1.4946			
.953			-1.2399							
.955		-1.2576								
.965	-1.3073									
1.000			-1.3020		-1.3334		-1.5660			

ALPHA(6) = 3.218 BETA(2) = -4.114

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-1.1507	-1.0394	-1.0772	.3782	.7229	.7102	.7080	.6668	.0380	
.010		-1.0934	-1.1020	.3002	.3469	.4170	.3862	.1818		
.020		-1.1196	-1.0998	.1766	.2481	.2547	.2227	.1056	-1.2148	
.040			-1.0898	.0582						
.041	-1.2265									
.050		-1.0949			.0204	.0159	-0.0125	-0.0728		
.069									-1.2570	
.080					-1.1389					
.081				-1.0817						
.086			-1.0516							
.094		.0000								
.113	-1.2231									
.150					-1.3499	-1.3066	.0000	-1.3098		
.157									-1.4138	
.163			.0304							
.177				-1.2276						
.229		-1.1157								
.246			-1.1609							
.247	-1.1339									

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TAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAPIELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA(6) = 3.218 BETA(2) = -4.114

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4601	-.4828	-.4697	-.4493		
.274				-.3793						
.345									-.5399	
.362		-.0151								
.390			-.3072							
.400					-.5394	-.6005		-.6037		
.402				-.4583						
.418										-.4779
.429	-.0709									
.497		-.2162								
.503									-.6231	
.547	-.1071									
.550					-.5524	-.6376				
.565				-.4453						
.600								-.6323		
.637			-.3990							
.638	-.2702									
.650						-.6097				
.670									-.8103	
.700		-.3586				-.6036				
.725					-.4064					
.727	-.3251									
.730									-.7816	
.750							-.6094	-.6339		
.760				-.2083						
.775					-.4055	-.6265				
.793	-.0768									
.798			-.1518							
.808				-.2727						
.834		-.0632								
.839			-.2685							
.850					-.2500	-.4636	-.5507			
.857				-.2552						
.862									-.8424	
.865	-.3071									
.879		-.2692								
.900	-.2278				-.2271			-.5942		
.905				-.2772						
.919			-.2711							
.950					-.1982	-.2816	-.4640			
.953				-.2558						
.955		-.2659								
.965	-.3161									
1.000			-.2988		-.3804		-.5620			

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

ALPHA0 (S) = 3.223 BETA0 (S) = -.012

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3132	-.1693	-.1986	.3421	.6331	.6149	.6002	.5859	-.0467	
.010		-.2101	-.1751	.2308	.2452	.3220	.2886	.1391		
.020		-.2095	-.1438	.1236	.1684	.1766	.1561	.0642	-.2522	
.040			-.1247	.0182						
.041	-.3179									
.050		-.1746			-.0374	-.0428	-.0617	-.1048		
.069									-.2874	
.080					-.1778					
.081				-.1125						
.086			-.0511							
.094		.0000								
.113	-.2137									
.150					-.3634	-.3379	.0000	-.3229		
.157									-.4307	
.163			.0245							
.177				-.2375						
.229		-.1318								
.246			-.1589							
.247	-.1877									
.250					-.4475	-.4972	-.4801	-.4601		
.274				-.3495						
.345									-.5408	
.362		-.0278								
.390			-.2690							
.400					-.4922	-.5879		-.6100		
.402				-.4145						
.418										-.5646
.429	-.1000									
.497		-.1973								
.503									-.6172	
.547	-.0937									
.550					-.5024	-.5930				
.565				-.4002						
.600								-.6392		
.637			-.3032							
.638	-.2432									
.650						-.6378				
.670									-.7517	
.700		-.3216				-.5589				
.725				-.1623						
.727	-.2987									
.730										
.750							-.6110	-.6630		-.8142
.760			-.1366							
.775				-.3162	-.4578					

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA(6) = 3.229 BETA(4) = 4.194

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3814	-.4374	-.4625	-.4666		
.274				-.2876						
.345									-.5457	
.362		.0131								
.390			-.2302							
.400					-.4478	-.5261		-.6061		
.402				-.3774						
.418									-.6366	
.429	-.0694									
.497		-.1629								
.503									-.6132	
.547	-.0600									
.550					-.4345	-.5310				
.565				-.3309						
.600								-.6318		
.637			-.1828							
.638	-.2224									
.650						-.5939				
.670									-.7711	
.700		-.2695				-.3747				
.725					-.1280					
.727	-.2690									
.730									-.8392	
.750						-.5892	-.6290			
.760				-.0508						
.775					-.3001	-.3772				
.793	.1120									
.798		-.0601								
.808			-.2538							
.834	-.0275									
.839		-.2812								
.850					-.2817	-.2904	-.5363			
.857				-.2712						
.862									-.8330	
.865	-.3330									
.879		-.2792								
.900	-.2273				-.3020			-.5705		
.905			-.3012							
.919		-.2792								
.950					-.2757	-.2001	-.0830			
.953			-.2769							
.955		-.2682								
.965	-.3127									
1.000			-.1759		-.2579		-.4827			

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETOU11)

ALPHA0(6) = 3.228 BETA0(5) = 5.167

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4548	-.4034	-.2247	.2064	.5376	.5193	.4936	.4653	-.1754	
.010		-.4216	-.1524	.1319	.1963	.2515	.1948	.0476		
.020		-.3971	-.1110	.0812	.1403	.1274	.0847	-.0111	-.3160	
.040			-.0923	.0391						
.041	-.3977									
.050		-.3238			-.0359	-.0698	-.1027	-.1577		
.069					-.1625				-.3341	
.080										
.081				-.0503						
.086			-.0293							
.094		.0000								
.113	-.3266									
.150					-.2794	-.3113	.0000	-.3331		
.157									-.4531	
.163			.0363							
.177				-.1446						
.229		-.1181								
.246			-.0629							
.247	-.2405									
.250					-.3483	-.4382	-.4541	-.4585		
.274				-.2457						
.345									-.5421	
.362		.0398								
.390			-.1944							
.400					-.4235	-.5057		-.5974		
.402				-.3385						
.418									-.6744	
.429	-.0275									
.497		-.1106								
.503									-.6071	
.547	.0032									
.550					-.3924	-.5096				
.565				-.2916						
.600								-.6127		
.637			-.2354							
.638	-.1988									
.650							-.5689			
.670									-.7464	
.700		-.2686				-.2708				
.725				-.1003						
.727	-.2465									
.730									-.8510	
.750							-.5692	-.6006		
.760			-.0604							
.775				-.3032	-.3433					

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA0(7) = 5.320 BETA0 (1) = -4.097

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5143	-.5472	-.5306	-.5151		
.274				-.4261						
.345									-.6320	
.362		-.0378								
.390			-.3325							
.400					-.5889	-.5551		-.6486		
.402				-.4788						
.418										-.5890
.429	-.0984									
.497		-.2327								
.503									-.7014	
.547	-.1119									
.550					-.5984	-.6748				
.565				-.4634						
.600								-.6442		
.637			-.4308							
.638	-.3049									
.650							-.6353			
.670									-.8347	
.700		-.3957				-.6380				
.725					-.3970					
.727	-.3627									
.730										-.8071
.750							-.6274	-.6515		
.760				-.2614						
.775					-.4690	-.5929				
.793	-.1406									
.798			-.2053							
.808				-.3283						
.834		-.0934								
.839			-.3035							
.850					-.2631	-.5151	-.5651			
.857				-.2971						
.862									-.8461	
.865		-.3245								
.879			-.2832							
.900		-.2386			-.2238			-.6061		
.905				-.3008						
.919			-.2774							
.950					-.2019	-.4151	-.5087			
.953				-.2490						
.955			-.2617							
.965		-.3367								
1.000				-.2147		-.3185		-.5845		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETI11)

ALPHA0 (7) = 5.323 BETA0 (2) = -2.054

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2266	-.1324	-.1986	.3568	.6632	.6667	.6570	.5980	-.1091	
.010		-.1850	-.2199	.1931	.1731	.2714	.2119	.0341		
.020		-.1963	-.1986	.0724	.1018	.1150	.0766	-.0439	-.3715	
.040			-.1799	-.0393						
.041	-.2773									
.050		-.1478			-.1094	-.1092	-.1361	-.2114		
.069									-.3914	
.080					-.2565					
.081				-.1824						
.086			-.0964							
.094		.0000								
.113	-.1875									
.150					-.4418	-.4161	.0000	-.4044		
.157									-.5146	
.163			-.0219							
.177				-.2966						
.229		-.1734								
.246			-.2012							
.247	-.1587									
.250					-.5208	-.5595	-.5385	-.5217		
.274				+.4251						
.345									-.6349	
.362		-.0519								
.390			-.3311							
.400					-.5788	-.6629		-.6520		
.402				-.4691						
.418									-.6293	
.429	-.1202									
.497		-.2369								
.503									-.6941	
.547	-.1256									
.550					-.5737	-.6652				
.565				-.4390						
.600								-.6450		
.637			-.4040							
.638	-.2939									
.650						-.6418				
.670								-.8321		
.700		-.3811				-.6306				
.725					-.2660					
.727	-.3468									
.730									-.8259	
.750							-.6361	-.6504		
.760				-.2377						
.775					-.3970	-.6163				

TABLE - PRESSURE SOURCE DATA TABULATION

(RETURN)

ALPHA0(7) = 5.323 BETA0 (2) = -2.054

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	-.0505									
.798			-.1666							
.808				-.3213						
.834		-.0726								
.839			-.3052							
.850					-.2866	-.4290	-.5696			
.857				-.2890						
.862									-.8419	
.865		-.3408								
.879			-.2956							
.900		-.2528			-.2590			-.6136		
.905				-.2977						
.919			-.2859							
.950					-.2308	-.3057	-.4967			
.953				-.2692						
.955			-.2711							
.965		-.3461								
1.000				-.2100		-.3336		-.5605		

ALPHA0(7) = 5.325 BETA0 (3) = .002

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING TOP

(RETI11)

ALPHA(7) = 5.325 BETA(3) = .002

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5134	-.5602	-.5453	-.5287		
.274				-.3941						
.345									-.6386	
.362		-.0390								
.390			-.3063							
.400					-.5441	-.6535		-.6546		
.402				-.4435						
.418									-.6585	
.429	-.1074									
.497		-.2302								
.503									-.6919	
.547	-.1090									
.550					-.5362	-.6475				
.565				-.4264						
.600								-.6670		
.637			-.3770							
.638	-.2824									
.650							-.6487			
.670									-.8413	
.700		-.3746				-.6091				
.725					-.2522					
.727	-.3358									
.730										-.8378
.750							-.6528	-.76575		
.760				-.2126						
.775					-.3702	-.5411				
.793	.0247									
.798			-.1613							
.808				-.3114						
.834		-.0718								
.839			-.3121							
.850					-.3131	-.2947	-.5897			
.857				-.2918						
.862									-.8489	
.865	-.3567									
.879		-.3089								
.900	-.2666				-.3166			-.6534		
.905				-.3099						
.919		-.3047								
.950					-.2728	-.2417	-.4818			
.953				-.2865						
.955		-.2869								
.965	-.3436									
1.000				-.1959		-.3058		-.5749		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 (A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU11)

ALPHA0 (7) = 5.323 BETA0 (4) = 2.067

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BN	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3592	-.2455	-.3288	.2503	.5713	.5727	.5696	.5193	-.1998	
.010		-.2973	-.2581	.1008	.0981	.1965	.1567	-.0122		
.020		-.2802	-.1836	.0046	.0347	.0554	.0291	-.0804	-.4158	
.040			-.1477	-.0766						
.041	-.3426									
.050		-.2305			-.1520	-.1435	-.1717	-.2358		
.069									-.4307	
.080					-.2723					
.081				-.1928						
.086			-.0693							
.094		.0000								
.113	-.2368									
.150					-.4307	-.4193	.0000	-.4202		
.157									-.5357	
.163			-.0116							
.177				-.2705						
.229		-.1447								
.246			-.1774							
.247	-.2080									
.250					-.4760	-.5506	-.5429	-.5338		
.274				-.3674						
.345									-.6367	
.362		-.0199								
.390			-.2833							
.400					-.5090	-.6237		-.6556		
.402				-.4299						
.418									-.6828	
.429	-.0884									
.497		-.2126								
.503									-.6859	
.547	-.0922									
.550					-.5150	-.6216				
.565				-.4064						
.600								-.6512		
.637			-.3278							
.638	-.2733									
.650						-.6344				
.670									-.6449	
.700		-.3556				-.5794				
.725					-.2193					
.727	-.3229									
.730									-.8435	
.750						-.6389	-.6417			
.760			-.1653							
.775					-.3375	-.4525				

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING TOP

(RETI11)

ALPHA0 (7) = 5.325 BETA0 (5) = 4.125

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4379	-.5359	-.5366	-.5391		
.274				-.3345						
.345									-.6364	
.362		-.0029								
.390			-.2700							
.400					-.4716	-.5918		-.6542		
.402				-.4095						
.418										-.7046
.429	-.0633									
.497		-.1950								
.503									-.6859	
.547	-.0730									
.550					-.4776	-.5894				
.565				-.3570						
.600								-.6695		
.637			-.2616							
.638	-.2626									
.650							-.6429			
.670									-.8629	
.700		-.3413				-.4731				
.725					-.1959					
.727	-.3072									
.730										-.8593
.750							-.6397	-.6568		
.760				+.1086						
.775					-.3286	-.4112				
.793	.0976									
.798			-.0959							
.808				-.2724						
.834		-.0436								
.839			-.3080							
.850					-.3058	-.3142	-.6280			
.857				-.2870						
.862									-.8502	
.865		-.3479								
.879			-.2977							
.900		-.2441			-.3185			-.6558		
.905				-.3105						
.919			-.2861							
.950					-.2785	-.2320	-.4501			
.953				-.2887						
.955			-.2764							
.965		-.3188								
1.000				-.1661		-.1727		-.5261		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAPIELHL SEALED) LEFT WING TOP

(RETU12) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT.
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.400 RN/FT = 2.250
 ELV-1B = 8.000 ELV-OB = .000
 RUDDER = .000 SPDBRK = .000

ALPHA(1) = -6.305 BETA(1) = -4.079

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW											
.000	-.1714	.0436	-.0411	.2688	.5919	.5196	.4827	.4894	-.4202		
.010		.0277	-.0164	.3768	.6126	.6225	.6223	.5686			
.020		.0039	-.0006	.3377	.5366	.5355	.5508	.5394	-.0761		
.040			.0057	.2796							
.041	-.0450										
.050		-.0135			.3445	.3564	.3818	.3915			
.069					.1969				-.0937		
.080											
.081				.2040							
.086			.0720								
.094		-.0469									
.113	-.0322										
.150					.0065	.0212	.0000	.1188			
.157									-.1849		
.163			.2043								
.177			.0466								
.229		.0055									
.246			.0091								
.247	-.0361										
.250					-.1068	-.1199	-.0921	-.0819			
.274				-.0973							
.345									-.2289		
.362		.0980									
.390			-.0840								
.400					-.2195	-.2757		-.2847			
.402				-.2069							
.418										-.2913	
.429	.0115										
.497		-.0653									
.503									-.2571		
.547	.0094										
.550					-.2649	-.3105					
.565				-.2090							
.600									-.3664		
.637			-.1990								
.638	-.1021										
.650							-.3508				
.670									-.3020		

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TABLE A - PRESSURE SOURCE DATA TABULATION

(RETURN)

ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING TOP

SECTION (1) LEFT WING TOP

DEFENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.700

.725

.727

730

.750

.760

.775

.793

,798

. 906

. 034

. 839

.850

.857

. 862

. 865

.879

.900

.905

.919

.950

.953

955
956

.965
1.000

ALPHA0(1) = -6.288 BETA0 (2) = -2.026

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000

.010

.020

.040

.041

.050

.069

.080

.081

.086

.094

.113

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(1) = -6.288 BETA(2) = -2.026

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.0128	.0226	.0000	.1089		
.157									-.2103	
.163			.1782							
.177				.0320						
.229		-.0087								
.246			-.0083							
.247	-.0565									
.250					-.1304	-.1147	-.0993	-.0823		
.274				-.1023						
.345									-.2378	
.362		.0837								
.390			-.0920							
.400					-.2409	-.2606		-.2759		
.402				-.2129						
.418									-.2061	
.429	-.0043									
.497		-.0843								
.503									-.2539	
.547	-.0079									
.550					-.2870	-.3000				
.565				-.2073						
.600								-.3656		
.637			-.0986							
.638	-.1240									
.650						-.3404				
.670									-.2919	
.700		-.1056				-.3046				
.725					-.0131					
.727	-.1392									
.730									-.2024	
.750						-.3277	-.3641			
.760				.0372						
.775					-.1935	-.2324				
.793	.2112									
.798			.0159							
.808				-.1360						
.834		.0515								
.839			-.1543							
.850					-.1109	-.1190	-.3163			
.857				-.1382						
.862									-.2351	
.865	-.2120									
.879		-.1654								
.900	-.1330				-.1214			-.2852		
.905			-.1685							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(1) = -6.288 BETA0(2) = -2.026

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.919			-.1720							
.950					-.0973	-.1047	-.1682			
.953				-.1545						
.955			-.1767							
.965		-.1774								
1.000				-.4083		-.2906		-.3125		

ALPHA0(1) = -6.273 BETA0(3) = .028

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2652	-.0451	-.0910	.1384	.4424	.3738	.3421	.3628	-.2905	
.010		-.0688	-.0664	.2572	.5147	.5187	.5183	.4828		
.020		-.0907	-.0513	.2489	.4577	.4518	.4665	.4642	-.1541	
.040			-.0454	.2041						
.041	-.1728									
.050		-.1007			.2984	.3041	.3273	.3390		
.069					.1739				-.1571	
.080										
.081				.1446						
.086			.0374							
.094		-.1057								
.113	-.1250									
.150					.0032	.0306	.0000	.0959		
.157									-.2266	
.163			.1497							
.177				.0258						
.229		-.0209								
.246			-.0177							
.247	-.0810									
.250					-.1098	-.1118	-.0818	-.0763		
.274				-.0998						
.345									-.2315	
.362		.0615								
.390			-.0928							
.400					-.2198	-.2552		-.2782		
.402				-.2026						
.418									-.1622	
.429	-.0171									
.497		-.0966								
.503									-.2460	
.547	-.0199									

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(RETU12)

DEPENDENT VARIABLE CP

X/CW

DEPENDENT VARIABLE CP

X/CW

.000	-.2991	-.1009	-.1248	.1219	.3902	.3130	.2763	.3066	-.2141
.010		-.1215	-.1006	.2201	.4699	.4714	.4703	.4439	
.020		-.1358	-.0843	.2192	.4201	.4157	.4286	.4325	-.1752
.040			-.0752	.1877					
.041	-.2319								

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(1) = -6.241 BETA(4) = 2.117

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.1367			.2762	.2836	.3072	.3165		
.069									-.1804	
.080					.1564					
.081				.1281						
.086			.0056							
.094		-.1301								
.113	-.1544									
.150					-.0040	.0387	.0000	.0982		
.157									-.2385	
.163			.1229							
.177				.0181						
.229		-.0297								
.246			-.0245							
.247	-.1006									
.250					-.1125	-.1049	-.0870	-.0845		
.274				-.0875						
.345									-.2237	
.362		.0436								
.390			-.0849							
.400					-.2198	-.2371		-.2750		
.402				-.1334						
.418									-.1476	
.429	-.0254									
.497		-.0994								
.503									-.2474	
.547	-.0355									
.550					-.2501	-.2761				
.565			-.1066							
.600								-.3504		
.637			.0336							
.638	-.1449									
.650						-.3070				
.670								-.2585		
.700		.0196				-.0743				
.725					.0448					
.727	-.0717									
.730									-.2133	
.750						-.2934	-.3393			
.760			.0302							
.775				-.1775	-.1944					
.793	.2324									
.798			.0031							
.808				-.1418						
.834		.0363								
.839			-.1711							

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(1) = -6.241 BETA(4) = 2.117

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.1292	-.0966	-.1293			
.857				-.1631						
.862									-.1977	
.865		-.2311								
.879			-.1928							
.900		-.1694			-.1503			-.2502		
.905				-.1969						
.919			-.1981							
.950					-.1419	-.0641	.0260			
.953				-.1867						
.955			-.1984							
.965		-.2141								
1.000			-.3686		-.3666		-.2425			

ALPHA(1) = -6.229 BETA(5) = 4.174

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3008	-.1621	-.1571	.1073	.3281	.2517	.2374	.2701	-.2142	
.010		-.1794	-.1301	.2004	.4352	.4239	.4361	.4135		
.020		-.1858	-.1088	.1986	.3916	.3816	.4052	.4034	-.1960	
.040			-.0962	.1669						
.041	-.2686									
.050		-.1767			.2599	.2660	.2915	.2997		
.069									-.2019	
.080					.1551					
.081				.1160						
.086			-.0114							
.094		-.1376								
.113	-.1882									
.150					.0097	.0425	.0000	.0919		
.157									-.2513	
.163			.1080							
.177				.0226						
.229		-.0490								
.246			-.0214							
.247	-.1180									
.250					-.1030	-.1022	-.0907	-.0922		
.274				-.0763						
.345									-.2330	
.362		.0371								
.390			-.0817							

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TABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(1) = -6.229 BETA(5) = 4.174

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.400					-.2160	-.2215		-.2652		
.402				-.1850						
.418										-.1634
.429	-.0392									
.497		-.1032								
.503									-.2555	
.547	-.0392									
.550					-.2314	-.2657				
.565				-.0784						
.600								-.3392		
.637			.0486							
.638	-.1539									
.650							-.2956			
.670									-.2509	
.700		.0155			.0653	-.0273				
.725										
.727	-.0851									
.730										-.2183
.750							-.2160	-.3324		
.760				.0387						
.775					-.1407	-.1649				
.793	.2383									
.798			.0038							
.808				-.1545						
.834		.0380								
.839			-.1753							
.850					-.1410	-.1222	-.0639			
.857				-.1702						
.862									-.1834	
.865	-.2267									
.879		-.2070								
.900	-.1972				-.1647			-.1249		
.905				-.2089						
.919		-.2073								
.950					-.1607	-.0678	.0413			
.953				-.1996						
.955		-.2139								
.965	-.2313									
1.000			-.2780		-.3838		-.1825			

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(2) = -4.192 BETA0 (1) = -6.158

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1268	.0836	-.0163	.3227	.6623	.6132	.5833	.5987	-.3158	
.010		.0589	-.0003	.3968	.6040	.6435	.6382	.5761		
.020		.0337	.0120	.3357	.5154	.5339	.5453	.5394	-.0076	
.040			.0155	.2545						
.041	-.0391									
.050		.0123			.3139	.3259	.3495	.3636		
.069									-.0514	
.080					.1504					
.081				.1638						
.086			.0896							
.094		-.0428								
.113	-.0135									
.150					-.0516	-.0180	.0000	.0801		
.157									-.1731	
.163			.1798							
.177				-.0091						
.229		-.0056								
.246			.0054							
.247	-.0263									
.250					-.1842	-.1790	-.1468	-.1194		
.274				-.1566						
.345									-.2346	
.362		.0696								
.390			-.1222							
.400					-.2904	-.3255		-.3159		
.402				-.2532						
.418										-.1852
.429	.0008									
.497		-.0955								
.503									-.2720	
.547	-.0068									
.550					-.3328	-.3611				
.565				-.2640						
.600								-.3996		
.637			-.2347							
.638	-.1269									
.650							-.3960			
.670									-.3402	
.700		-.2098				-.3577				
.725				-.2086						
.727	-.1811									
.730										-.1565
.750							-.3835	-.3925		
.760				-.0504						
.775					-.2988	-.4645				

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TABLE - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RE TU 12)

ALPHA0(2) = -4.192 GETAO (1) = -6.158

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2930	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0257									
.798			-.0113							
.808				-.1288						
.834		.0517								
.839			-.1169							
.850					-.1610	-.2348	-.3701			
.857				-.1202						
.862									-.2828	
.865		-.1781								
.879			-.1386							
.900		-.1248			-.1375			-.3282		
.905				-.1393						
.919			-.1452							
.950					-.0856	-.2087	-.3077			
.953				-.1243						
.955			-.1492							
.965		-.1772								
1.000				-.3841		-.2747		-.3337		

ALPHA0(2) = -4.180 BETA0 (2) = -4.103

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1527

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(2) = -4.180 BETA0 (2) = -4.103

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.1854	-.1819	-.1474	-.1325		
.274				-.1625						
.345									-.2489	
.362		.0599								
.390			-.1312							
.400					-.2925	-.3173		-.3261		
.402				-.2536						
.418										-.1735
.429	-.0132									
.497		-.1002								
.503									-.2777	
.547	-.0218									
.550					-.3371	-.3601				
.565				-.2647						
.600									-.4063	
.637			-.2414							
.638	-.1435									
.650							-.3909			
.670									-.3352	
.700		-.2101				-.3539				
.725					-.1319					
.727	-.1874									
.730										-.1717
.750							-.3832	-.3976		
.760				-.0282						
.775					-.2513	-.4426				
.793	.1013									
.798			-.0083							
.808				-.1384						
.834		.0465								
.839			-.1412							
.850					-.1631	-.1927	-.3644			
.857				-.1353						
.862									-.2746	
.865	-.2007									
.879		-.1630								
.900	-.1374				-.1480			-.3292		
.905			-.1639							
.919		-.1743								
.950					-.0972	-.1676	-.2949			
.953			-.1518							
.955		-.1800								
.965	-.1842									
1.000			-.4091		-.2678		-.3373			

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(2) = -4.157 BETA(3) = -.002

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2684	-.0516	-.0944	.1754	.4840	.4408	.4292	.4415	-.3751	
.010		-.0836	-.0761	.2562	.4762	.5133	.5204	.4668		
.020		-.1034	-.0642	.2220	.4112	.4269	.4465	.4384	-.1269	
.040			-.0575	.1609						
.041	-.2477									
.050		-.1156			.2467	.2608	.2815	.2906		
.069									-.1519	
.080					.1043					
.081				.1060						
.086			.0203							
.094		-.1481								
.113	-.1533									
.150					-.0732	-.0388	.0000	.0401		
.157									-.2406	
.163			.1116							
.177				-.0233						
.229		-.0420								
.246			-.0453							
.247	-.1089									
.250					-.1676	-.1674	-.1519	-.1420		
.274				-.1479						
.345									-.2545	
.362		.0321								
.390			-.1312							
.400					-.2712	-.3068		-.3254		
.402				-.2364						
.418									-.1304	
.429	-.0367									
.497		-.1259								
.503									-.2777	
.547	-.0480									
.550					-.3105	-.3294				
.565				-.2383						
.600								-.3968		
.637			-.1167							
.638	-.1701									
.650							-.3726			
.670									-.3111	
.700		-.1335				-.3235				
.725					-.0497					
.727	-.1743									
.730										
.750							-.3537	-.3894		-.2129
.760				.0070						
.775					-.2192	-.2603				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB: LVAP(ELHL SEALED) LEFT WING TOP

(RETV12)

ALPHA0(2) = -4.157 BETA0 (3) = -.002

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1843									
.798			-.0179							
.808				-.1929						
.834		.0186								
.839			-.2100							
.850					-.1601	-.1686	-.3389			
.857				-.1670						
.862									.2601	
.865		-.2433								
.879			-.2062							
.900		-.1820			-.1518			-.3056		
.905				-.2002						
.919			-.2084							
.950					-.1261	-.1215	-.1883			
.953				-.1856						
.955			.2128							
.965		-.2204								
1.000			-.4212		-.3268			-.3170		

ALPHA0(2) = -4.134 BETA0 (4) = 4.138

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(2) = -4.134 BETA0 (4) = 4.138

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.1431	-.1447	-.1324	-.1373		
.274				-.1189						
.345									-.2702	
.362		.0106								
.390			-.1176							
.400					-.2411	-.2701		-.3203		
.402				-.2147						
.418										-.1758
.429	-.0537									
.497		-.1244								
.503									-.2933	
.547	-.0546									
.550					-.2723	-.3051				
.565				-.1626						
.600								-.3908		
.637			-.0105							
.638	-.1709									
.650							-.3377			
.670									-.2887	
.700		-.0277				-.1215				
.725					.0139					
.727	-.1086									
.730										-.2200
.750							-.3226	-.3734		
.760				.0072						
.775				-.2111	-.2261					
.793	.1929									
.798			-.0209							
.808				-.1753						
.834		.0124								
.839			-.2009							
.850					-.1589	-.1249	-.1735			
.857				-.1858						
.862									-.2273	
.865	-.2433									
.879		-.2169								
.900	-.1913				-.1777			-.2798		
.905			-.2213							
.919		-.2194								
.950				-.1688	-.0998	-.0339				
.953			-.2107							
.955		-.2219								
.965	-.2381									
1.000			-.2818		-.3816		-.2548			

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(2) = -4.123 BETA(5) = 6.209

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3216	-.2455	-.1675	.0793	.3665	.3232	.2766	.2785	-.2349	
.010		-.2513	-.1454	.1540	.3784	.4083	.3885	.3388		
.020		-.2574	-.1284	.1472	.3297	.3421	.3393	.3243	-.2043	
.040			-.1184	.1185						
.041	-.3268									
.050		-.2407			.1993	.2093	.2079	.2089		
.069									-.2179	
.080					.0842					
.081				.0657						
.086			-.0447							
.094		-.1916								
.113	-.2553									
.150					-.0443	-.0167	.0000	.0068		
.157									-.2815	
.163			.0809							
.177				-.0233						
.229		-.0872								
.246			-.0557							
.247	-.1734									
.250					-.1406	-.1474	-.1405	-.1451		
.274				-.1104						
.345									-.2738	
.362		-.0023								
.390			-.1152							
.400					-.2372	-.2638		-.3162		
.402				-.2142						
.418									-.1669	
.429	-.0724									
.497		-.1295								
.503									-.2920	
.547	-.0572									
.550					-.2697	-.3007				
.565			-.1323							
.600								-.3803		
.637			-.0006							
.638	-.1780									
.650							-.3294			
.670								-.2809		
.700		-.0361				-.0775				
.725					.0334					
.727	-.1174									
.730									-.2547	
.750							-.2632	-.3630		
.760				.0132						
.775					-.2007	-.2147				

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1AB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(3) = -2.103 BETA0 (1) = -6.173

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.2389	-.2243	-.1991	-.1744		
.274				-.2005						
.345									-.2473	
.362		.0449								
.390			-.1646							
.400					-.3458	-.3707		-.3617		
.402				-.2878						
.418										-.0193
.429	-.0148									
.497		-.1192								
.503									-.2859	
.547	-.0312									
.550					-.3715	-.4106				
.565				-.3001						
.600								-.4344		
.637			-.2718							
.639	-.1545									
.650							-.4386			
.670									-.3702	
.700		-.2341				-.4087				
.725					-.3186					
.727	-.2052									
.730										-.2230
.750							-.4309	-.4208		
.760				-.1173						
.775					-.3959	-.4932				
.793	-.0934									
.798			-.0781							
.808				-.1697						
.834		.0014								
.839			-.1451							
.850					-.2167	-.3821	-.4105			
.857				-.1481						
.862									-.3572	
.865		-.1646								
.879			-.1517							
.900		-.1299			-.1817			-.3253		
.905				-.1572						
.919			-.1608							
.950					-.1283	-.2893	-.3531			
.953				-.1423						
.955			-.1621							
.965		-.1794								
1.000				-.3869		-.2893		-.3406		

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(3) = -2.089 BETA(2) = -2.072

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2272	-.0162	-.0836	.2667	.5915	.5636	.5356	.5544	-.2442	
.010		-.0408	-.0678	.3104	.4999	.5558	.5396	.4724		
.020		-.0633	-.0442	.2552	.4173	.4424	.4388	.4350	-.0661	
.040			-.0294	.1766						
.041	-.2057									
.050		-.0763			.2256	.2397	.2528	.2609		
.069									-.1099	
.080					.0739					
.081				.0851						
.086			.0395							
.094		-.1177								
.113	-.1547									
.150					-.1037	-.0804	.0000	-.0030		
.157									-.2275	
.163			.0943							
.177				-.0600						
.229		-.0550								
.246			-.0527							
.247	-.1003									
.250					-.2332	-.2350	-.2046	-.1864		
.274				-.1981						
.345									-.2581	
.362		.0187								
.390			-.1733							
.400					-.3328	-.3701		-.3688		
.402				-.2794						
.418									-.0488	
.429	-.0384									
.497		-.1481								
.503									-.2711	
.547	-.0566									
.550					-.3579	-.3962				
.565				-.2970						
.600								-.4397		
.637			-.2639							
.638	-.1866									
.650						-.4317				
.670								-.3695		
.700		-.2346				-.3850				
.725				-.1615						
.727	-.2057									
.730									-.2955	
.750							-.4187	-.4254		
.760				-.0582						
.775					-.2781	-.4523				

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(3) = -2.089 BETA(2) = -2.072

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0855									
.798			-.0418							
.808				-.1854						
.834		.0135								
.839			-.1828							
.850					-.2054	-.2189	-.4023			
.857				-.1549						
.862									-.3411	
.865		-.2282								
.879			-.1903							
.900		-.1771			-.1767			-.3228		
.905				-.1858						
.919			-.1995							
.950					-.1247	-.1886	-.3381			
.953				-.1786						
.955			-.2026							
.965		-.2227								
1.000				-.4028		-.2728		-.3442		

ALPHA(3) = -2.053 BETA(3) = 2.068

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3131	-.1312	-.1314	.2114	.4937	.4685	.4497	.4582	-.2536	
.010		-.1595	-.1100	.2423	.4286	.4793	.4639	.3911		
.020		-.1692	-.0874	.1972	.3592	.3803	.3780	.3550	-.1274	
.040			-.0717	.1259						
.041	-.2994									
.050		-.1698			.1863	.1995	.2075	.2044		
.069									-.1663	
.080					.0550					
.081				.0553						
.086			-.0143							
.094		-.1960								
.113	-.2246									
.150					-.1189	-.0907	.0000	-.0356		
.157									-.2675	
.163			.0655							
.177				-.0756						
.229		-.0683								
.246			-.0699							
.247	-.1628									

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ARC11-019 IAB1 LVAP(ELPL SEALED) LEFT WING TOP

(RETU:2)

ALPHA0(3) = -2.053 BETA0 (3) = 2.068

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.2106	-.2254	-.2137	-.2054		
.274				-.1833						
.345									-.2836	
.362		-.0092								
.390			-.1531							
.400					-.2916	-.3355		-.3727		
.402				-.2614						
.418										-.0849
.429	-.0588									
.497		-.1567								
.503									-.3169	
.547	-.0777									
.550					-.3221	-.3553				
.565					-.2558					
.600								-.4370		
.637			-.1267							
.638	-.1878									
.650							-.4071			
.670									-.3496	
.700		-.1588								
.725					-.0726	-.3312				
.727	-.1851									
.730										-.3414
.750							-.3833	-.4191		
.760			-.0151							
.775					-.2369	-.2755				
.793	.1566									
.798			-.0325							
.808				-.2098						
.834		-.0007								
.839			-.2231							
.850					-.1980	-.1966	-.3586			
.857				-.1929						
.862									-.3144	
.865		-.2554								
.879			-.2243							
.900		-.2140			-.1776			-.3130		
.905				-.2182						
.919			-.2218							
.950					-.1510	-.1381	-.1939			
.953				-.2060						
.955			-.2199							
.965		-.2436								
1.000				-.3792		-.3706		-.3440		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0 (3) = -2.034 BETA0 (4) = 6.180

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3383	-.2787	-.1500	.1654	.4393	.4081	.3639	.3482	-.2192	
.010		-.2887	-.1371	.1734	.3612	.3898	.3581	.2969		
.020		-.2848	-.1201	.1518	.3018	.3000	.2862	.2737	-.1725	
.040			-.1107	.1170						
.041	-.3462									
.050		-.2580			.1469	.1378	.1402	.1386		
.059									-.2080	
.080					.0348					
.081				.0507						
.086			-.0544							
.094		-.2320								
.113	-.2781									
.150					-.1017	-.1047	.0000	-.0651		
.157									-.2886	
.163			.0548							
.177				-.0567						
.229		-.1017								
.246			-.0679							
.247	-.2112									
.250					-.1765	-.2010	-.2089	-.2138		
.274				-.1449						
.345									-.3022	
.362		-.0077								
.390			-.1342							
.400					-.2710	-.3091		-.3619		
.402				-.2309						
.418										-.1330
.429	-.0837									
.497		-.1331								
.503									-.2658	
.547	-.0655									
.550					-.2920	-.3344				
.565				-.1884						
.600								-.4210		
.637			-.0477							
.638	-.1738									
.650						-.3657				
.670									-.3223	
.700		-.0774				-.1412				
.725					.0061					
.727	-.1406									
.730										-.3671
.750							-.3463	-.3944		
.760				-.0058						
.775					-.2182	-.2384				

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(4) = .003 BETAO (1) = -6.180

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.2764	-.2761	-.2489	-.2212		
.274				-.2426						
.345									-.2302	
.362		.0178								
.390			-.1955							
.400					-.3828	-.4098		-.3994		
.402				-.3206						
.418										-.0457
.429	-.0311									
.497		-.1403								
.503									-.3018	
.547	-.0496									
.550					-.4050	-.4506				
.565				-.3329						
.600								-.4600		
.637			-.3003							
.638	-.1796									
.650						-.4738				
.670									-.4493	
.700		-.2622				-.4537				
.725				-.3602						
.727	-.2298									
.730										-.4271
.750							-.4651	-.4380		
.760			-.1861							
.775				-.4409	-.5186					
.793	-.1872									
.798			-.1429							
.808				-.2348						
.834		-.0669								
.839			-.1889							
.850					-.2743	-.4335	-.4380			
.857				-.1929						
.862									-.4808	
.865	-.2296									
.879		-.1838								
.900	-.1589			-.2329				-.3398		
.905				-.1910						
.919		-.1857								
.950				-.1748	-.3995	-.3786				
.953				-.1726						
.955		-.1813								
.965	-.2067									
1.000			-.3951		-.3206		-.3543			

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP:ELHL SEALED1 LEFT WING TOP

(RETU12)

ALPHA0 (4) = .006 BETA0 (2) = -4.126

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1339	.0239	-.0783	.3632	.6806	.6565	.6390	.6357	-.0194	
.010		-.0111	-.0796	.3493	.4860	.5650	.5508	.4443		
.020		-.0354	-.0620	.2659	.3912	.4300	.4300	.3942	-.0129	
.040			-.0409	.1654						
.041	-.1282									
.050		-.0436			.1830	.2101	.2154	.2059		
.069									-.0726	
.080					.0310					
.081				.0394						
.086			.0334							
.094		-.0886								
.113	-.1674									
.150					-.1569	-.1374	.0000	-.0510		
.157									-.2022	
.163			.0797							
.177				-.0870						
.229		-.0569								
.246			-.0701							
.247	-.0762									
.250					-.2794	-.2782	-.2501	-.2319		
.274				-.2415						
.345									-.2343	
.362		.0064								
.390			-.2014							
.400					-.3834	-.4119		-.4074		
.402				-.3246						
.418										-.1000
.429	-.0439									
.497		-.1504								
.503									-.3052	
.547	-.0619									
.550					-.4026	-.4522				
.565				-.3348						
.600								-.4669		
.637			-.3027							
.638	-.1917									
.650							-.4751			
.670									-.4409	
.700		-.2618				-.4498				
.725				-.3417						
.727	-.2270									
.730										-.4733
.750							-.4664	-.4446		
.760				-.1547						
.775					-.4029	-.5205				

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(4) = .015 BETA0(3) = -.027

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.250					-.2834	-.2819	-.2609	-.2461		
.274				-.2393						
.345									-.2544	
.362		-.0123								
.390			-.2042							
.400					-.3626	-.4087		-.4142		
.402				-.3110						
.418										-.1745
.429	-.0624									
.497		-.1675								
.503									-.3088	
.547	-.0891									
.550					-.3818	-.4348				
.565				-.3175						
.600								-.4708		
.637			-.2844							
.638	-.2043									
.650							-.4682			
.670									-.4421	
.700		-.2472				-.4180				
.725					-.1823					
.727	-.2200									
.730										-.5008
.750							-.4580	-.4562		
.760				-.0877						
.775					-.2961	-.4506				
.793	.0420									
.798			-.0723							
.808				-.2199						
.834		-.0169								
.839			-.2284							
.850					-.2497	-.2338	-.4330			
.857				-.2060						
.862									-.4353	
.865		-.2521								
.879			-.2293							
.900		-.2098			-.2222			-.3306		
.905				-.2193						
.919			-.2375							
.950					-.1659	-.2109	-.3548			
.953				-.2140						
.955			-.2407							
.965		-.2524								
1.000				-.4224		-.3010		-.3852		

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0 (4) = .024 BETA0 (4) = 4.105

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8970	.9720	1.0000
X/CW										
.000	-.3533	-.2064	-.1527	.2165	.5335	.5002	.4687	.4649	-.0676	
.010		-.2353	-.1269	.2091	.3560	.4002	.3752	.2823		
.020		-.2359	-.1024	.1523	.2908	.2923	.2768	.2415	-.1093	
.040			-.0923	.0876						
.041	-.3332									
.050		-.2164			.1214	.1105	.1003	.0908		
.069									-.1600	
.080					-.0060					
.081				.0179						
.086			-.0416							
.094		-.2211								
.113	-.2897									
.150					-.1538	-.1603	.0000	-.1165		
.157									-.2762	
.163			.0386							
.177				-.0965						
.229		-.0985								
.246			-.0876							
.247	-.1994									
.250					-.2483	-.2891	-.2783	-.2722		
.274				-.1985						
.345									-.3058	
.362		-.0136								
.390			-.1706							
.400					-.3206	-.3808		-.4236		
.402				-.2734						
.418									-.1957	
.429	-.0796									
.497		-.1502								
.503									-.3303	
.547	-.0760									
.550					-.3447	-.3908	v v			
.565				-.2694						
.600								-.4703		
.637			-.1675							
.638	-.1885									
.650						-.4372				
.670								-.4468		
.700		-.1861			-.3517					
.725				-.1021						
.727	-.1933									
.730									-.5604	
.750						-.4159	-.4486			
.760			-.0357							
.775				-.2536	-.2910					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(4) = .038 BETA0 (5) = 6.165

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.2278	-.2810	-.2813	-.2789			
.274				-.1768							
.345									-.2974		
.362		.0014									
.390			-.1577								
.400					-.3104	-.3641		-.4228			
.402				-.2570							
.418										-.2626	
.429	-.0785										
.497		-.1400									
.503									-.3271		
.547	-.0648										
.550					-.3286	-.3758					
.565				-.2468							
.600								-.4608			
.637			-.1275								
.639	-.1846										
.650							-.4187				
.670									-.4355		
.700		-.1540				-.2376					
.725					-.0556						
.727	-.1782										
.730										-.5620	
.750							-.3909	-.4296			
.760				-.0243							
.775					-.2359	-.2742					
.793	.1416										
.798			-.0479								
.808				-.2249							
.834		-.0086									
.839			-.2401								
.850					-.2315	-.2141	-.3276				
.857				-.2376							
.862									-.3972		
.865	-.2617										
.879		-.2618									
.900	-.2291				-.2294			-.3108			
.905			-.2688								
.919		-.2611									
.950					-.2139	-.1660	-.1152				
.953			-.2541								
.955		-.2492									
.965	-.2738										
1.000			-.2444		-.3644		-.3786				

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TAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1546

ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(5) = 2.130 BETA(1) = -6.171

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8970	.9720	1.0000	
X/CW											
.000	-.0270	.0247	-.0324	.4536	.7460	.7439	.7216	.7213	.2249		
.010		.0183	-.0469	.3790	.4567	.5611	.5319	.4199			
.020		.0070	-.0409	.2620	.3577	.4086	.3993	.3570	.0497		
.040			-.0258	.1326							
.041	-.0927										
.050		-.0112			.1353	.1748	.1678	.1553			
.069									-.0204		
.080					-.0197						
.081				-.0086							
.086			.0272								
.094		-.0696									
.113	-.1669										
.150					-.2231	-.1843	.0000	-.0979			
.157									-.1963		
.163			.0642								
.177				-.1427							
.229		-.0587									
.246			-.0867								
.247	-.0581										
.250					-.3234	-.3306	-.2998	-.2629			
.274				-.2857							
.345									-.3076		
.362		.0046									
.390			-.2184								
.400					-.4252	-.4503		-.4255			
.402				-.3467							
.418										-.1689	
.429	-.0477										
.497		-.1530									
.503									-.3959		
.547	-.0502										
.550					-.4391	-.4914					
.565				-.3572							
.600								-.4705			
.637			-.3194								
.638	-.1955										
.650						-.5025					
.670									-.5452		
.700		-.2814				-.4889					
.725					-.4054						
.727	-.2322										
.730										-.5435	
.750							-.4880	-.4462			
.760				-.2453							
.775					-.4702	-.5523					

DATE 20 OCT 75

IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1547

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(5) = 2.130 BETA(1) = -6.171

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	-.2265									
.798			-.1960							
.808				-.2925						
.834		-.1201								
.839			-.2503							
.850					-.3474	-.4796	-.4648			
.857				-.2392						
.862									-.6251	
.865		-.2613								
.879			-.2142							
.900		-.1786			-.2752			-.3863		
.905				-.2294						
.919			-.2039							
.950					-.2021	-.4982	-.3865			
.953				-.2035						
.955			-.1882							
.965		-.2330								
1.000				-.3878		-.3576		-.4113		

ALPHA(5) = 2.133 BETA(2) = -2.078

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1498	-.0439	-.1222	.3504	.6703	.6565	.6294	.6336	.1824	
.010		-.0859	-.1188	.3007	.4049	.4969	.4685	.3586		
.020		-.1066	-.1021	.2091	.3183	.3572	.3440	.2998	.0194	
.040			-.0889	.1003						
.041	-.1702									
.050		-.1072			.1122	.1370	.1321	.1126		
.069									-.0478	
.080					-.0375					
.081				-.0188						
.086			-.0200							
.094		-.1213								
.113	-.2342									
.150					-.2205	-.1975	.0000	-.1191		
.157									-.2125	
.163			.0402							
.177				-.1350						
.229		-.0912								
.246			-.1043							
.247	-.1264									

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(5) = 2.133 BETA(2) = -2.078

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3146	-.3345	-.3062	-.2844		
.274				-.2781						
.345									-.3028	
.362		-.0134								
.390			-.2327							
.400					-.4194	-.4478		-.4425		
.402				-.3466						
.418									-.2476	
.429	-.0570									
.497		-.1730								
.503									-.3848	
.547	-.0810									
.550					-.4321	-.4834				
.565				-.3577						
.600								-.4864		
.637			-.3246							
.638	-.2259									
.650						-.5032				
.670								-.5284		
.700		-.2779				-.4844				
.725				-.3065						
.727	-.2482									
.730									-.5851	
.750							-.4896	-.4573		
.760			-.1816							
.775				-.3872	-.5327					
.793	-.1166									
.799		-.1443								
.808			-.2584							
.834		-.0590								
.839			-.2456							
.850				-.2858	-.3809	-.4668				
.857			-.2084							
.862								-.6215		
.865	-.2502									
.879		-.2082								
.900	-.1840			-.2651				-.3917		
.905			-.2124							
.919		-.2192								
.950				-.2209	-.3168	-.3982				
.953		-.2255		-.1999						
.955										
.965	-.2487									
1.000			-.4117		-.2895		-.4144			

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETO12)

ALPHA0(5) = 2.141 BETA0 (3) = 2.056

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.4940	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2928	-.1129	-.2179	.2498	.5949	.5980	.5787	.5512	.0180	
.010		-.1704	-.1479	.2066	.3272	.4132	.3785	.2602		
.020		-.1813	-.0957	.1354	.2557	.2903	.2681	.2046	-.0968	
.040			-.0769	.0473						
.041	-.2600									
.050		-.1743			.0717	.0901	.0735	.0407		
.069									-.1493	
.080					-.0561					
.081				-.0476						
.086			-.0305							
.094		-.1791								
.113	-.2965									
.150					-.2104	-.2145	.0000	-.1596		
.157									-.2750	
.163			.0260							
.177				-.1339						
.229		-.0864								
.246			-.1121							
.247	-.1786									
.250					-.3102	-.3318	-.3218	-.3093		
.274				-.2587						
.345									-.3235	
.362		-.0217								
.390			-.2160							
.400					-.3871	-.4393		-.4550		
.402				-.3234						
.418										-.3513
.429	-.0695									
.497		-.1806								
.503									-.4019	
.547	-.0880									
.550					-.3985	-.4600				
.565				-.3240						
.600								-.4952		
.637			-.2819							
.638	-.2208									
.650						-.4952				
.670								-.5298		
.700		-.2565				-.4403				
.725					-.1969					
.727	-.2248									
.730										-.6289
.750							-.4785	-.4662		
.760				-.1015						
.775					-.3065	-.4202				

1A81A - PRESSURE SOURCE DATA TABULATION

(REU12)

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

X/CW

.793

.798

.808

.834

.839

.850

.857

.862

.865

.879

.900

.905
010

.919
DEF

.950
957

953
955

.955
DCE

.965
1.000

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

X/CW

.000

.010

.020

.040

.041

.050

.069

.080

.091

.086

.094

. 113

.150

. 157

. 163

.177
220

உயர்வு

246
253

.247

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(5) = 2.152 BETA(4) = 6.169

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.2928	-.3365	-.3343	-.3334			
.274				-.2231							
.345									-.3636		
.362		-.0087									
.390			-.1869								
.400					-.3463	-.4227		-.4635			
.402				-.2953							
.418									-.4769		
.429	-.0707										
.497		-.1553									
.503									-.4235		
.547	-.0741										
.550					-.3685	-.4288					
.565				-.2907							
.600								-.4941			
.637			-.2423								
.638	-.1950										
.650							-.4655				
.670									-.5305		
.700		-.2316				-.3948					
.725					-.1383						
.727	-.2132										
.730											
.750							-.4402	-.4697		-.6405	
.760				-.0577							
.775					-.2610	-.3070					
.793	.0934										
.798			-.0663								
.808				-.2299							
.834		-.0254									
.839			-.2476								
.850					-.2409	-.2488	-.3916				
.857				-.2434							
.862									-.5221		
.865	-.2705										
.879			-.2649								
.900	-.2295				-.2421			-.3621			
.905				-.2683							
.919			-.2646								
.950					-.2217	-.1983	-.1973				
.953				-.2549							
.955			-.2533								
.965	-.2830										
1.000				-.2464		-.3396		-.4325			

ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU1?)

ALPHA(6) = 4.219 BETA(1) = -6.158

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.0062	.0263	-.0427	.4263	.7405	.7785	.7960	.7647	.1521	
.010		.0136	-.0553	.3173	.3837	.5049	.4706	.3017		
.020		-.0047	-.0390	.1873	.2852	.3442	.3291	.2279	-.0922	
.040			-.0185	.0560						
.041	-.1145									
.050		-.0239			.0590	.1046	.0917	.0467		
.069									-.1361	
.080					-.0923					
.081				-.0874						
.086			-.0015							
.094		-.0787								
.113	-.1601									
.150					-.3040	-.2517	.0000	-.1897		
.157									-.2867	
.163			.0114							
.177				-.2147						
.229		-.0766								
.246			-.1457							
.247	-.0595									
.250					-.3816	-.3832	-.3542	-.3272		
.274				-.3315						
.345									-.4054	
.362		-.0255								
.390			-.2599							
.400					-.4522	-.4934		-.4691		
.402				-.3830						
.418									-.3303	
.429	-.0643									
.497		-.1788								
.503									-.4823	
.547	-.0719									
.550					-.4765	-.5290				
.565				-.3846						
.600								-.5086		
.637			-.3493							
.638	-.2246									
.650						-.5342				
.670								-.6407		
.700		-.3079				-.5253				
.725				-.4463						
.727	-.2639									
.730									-.6014	
.750							-.5135	-.4916		
.760				-.2894						
.775					-.5029	-.5562				

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(6) = .218 BETA0(2) = -4.108

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3763	-.3780	-.3509	-.3264		
.274				-.3213						
.345									-.3971	
.362		-.0320								
.390			-.2567							
.400					-.4483	-.4866		-.4631		
.402				-.3787						
.418										-.3593
.429	-.0701									
.497		-.1862								
.503									-.4725	
.547	-.0808									
.550					-.4699	-.5200				
.565				-.3818						
.600								-.5029		
.637			-.3523							
.638	-.2378						-.5303			
.650										
.670									-.6270	
.700		-.3116				-.5120				
.725					-.4242					
.727	-.2682									
.730										-.6123
.750							-.5112	-.4844		
.760				-.2455						
.775					-.4764	-.5519				
.793	-.2399									
.798			-.2146							
.808				-.3179						
.834		-.1258								
.839			-.2963							
.850					-.3498	-.5142	-.4954			
.857				-.2880						
.862									-.6561	
.865	-.2733									
.879		-.2504								
.900	-.2142				-.2957			-.4350		
.905			-.2609							
.919		-.2231								
.950				-.2301	-.2268	-.4430	-.4318			
.953										
.955		-.2127								
.965	-.2553									
1.000				-.3937		-.3256		-.4555		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(6) = 4.224 BETA(3) = -.013

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2002	-.0814	-.1667	.2765	.6629	.6599	.6364	.6013	.0419	
.010		-.1449	-.1808	.1955	.2954	.3787	.3349	.1943		
.020		-.1585	-.1658	.1058	.2129	.2404	.2160	.1325	-.1445	
.040			-.1532	.0195						
.041	-.2193									
.050		-.1394			.0184	.0328	.0160	-.0267		
.069									-.1819	
.080					-.1137					
.081				-.0874						
.086			-.0715							
.094		-.1455								
.113	-.2855									
.150					-.2966	-.2760	.0000	-.2250		
.157									-.3090	
.163			.0048							
.177				-.1888						
.229		-.1310								
.246			-.1413							
.247	-.1440									
.250					-.3636	-.3842	-.3719	-.3558		
.274				-.3133						
.345									-.4047	
.362		-.0313								
.390			-.2515							
.400					-.4438	-.4904		.4840		
.402				-.3685						
.418									-.4531	
.429	-.0778									
.497		-.1899								
.503									-.4738	
.547	-.0966									
.550					-.4503	-.5164				
.565				-.3691						
.600								-.5187		
.637			-.3376							
.638	-.2421									
.650						-.5346				
.670								-.5908		
.700		-.2996				-.5003				
.725					-.2898					
.727	-.2639									
.730									-.6518	
.750						-.5121	-.4921			
.760			-.2039							
.775				-.3676	-.5433					

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETV12)

ALPHA0(6) = 4.226 BETA0 (4) = 4.116

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3526	-.4013	-.3942	-.3805		
.274				-.2860						
.345									-.4335	
.362		-.0295								
.390			-.2252							
.400					-.4094	-.4798		-.4978		
.402				-.3329						
.418										-.5375
.429	-.0779									
.497		-.1770								
.503									-.4922	
.547	-.0870									
.550					-.4088	-.4912				
.565					-.3322					
.600								-.5286		
.637			-.3072							
.638	-.2203									
.650							-.5242			
.670									-.5866	
.700		-.2734				-.4631				
.725					-.2140					
.727	-.2376									
.730										-.6776
.750							-.5054	-.5080		
.760				-.1356						
.775					-.3128	-.4575				
.793	.0151									
.798			-.1052							
.808				-.2419						
.834		-.0435								
.839			-.2419							
.850					-.2736	-.2538	-.4853			
.857					-.2321					
.862									-.6690	
.865		-.2706								
.879			-.2503							
.900		-.2135			-.2619			-.4496		
.905				-.2558						
.919			-.2507							
.950					-.2239	-.2081	-.4044			
.953				-.2446						
.955			-.2441							
.965		-.2803								
1.000				-.2138		-.3226		-.4712		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(6) = 4.218 BETA0 (5) = 6.193

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/PCW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3125	-.2864	-.3006	.1907	.4986	.5125	.5060	.4676	-.1216	
.010		-.3356	-.2460	.1022	.1685	.2373	.2085	.0751		
.020		-.3237	-.2058	.0384	.1022	.1221	.1009	.0270	-.2490	
.040			-.1920	-.0282						
.041	-.2916									
.050		-.2612			-.0419	-.0464	-.0702	-.1083		
.069									-.2688	
.080					-.1403					
.081				-.0992						
.086			-.1094							
.094		-.2617								
.113	-.3447									
.150					-.2691	-.2935	.0000	-.2753		
.157									-.3663	
.163			.0052							
.177				-.1692						
.229		-.1086								
.246			-.1081							
.247	-.2281									
.250					-.3350	-.3948	-.3951	-.3877		
.274				-.2608						
.345									-.4410	
.362		-.0202								
.390			-.2045							
.400					-.3754	-.4675		-.5026		
.402				-.3172						
.418									-.5649	
.429	-.0745									
.497		-.1602								
.503									-.4981	
.547	-.0733									
.550					-.3868	-.4700				
.565				-.3178						
.600								-.5273		
.637			-.2943							
.638	-.2066									
.650						-.5092				
.670								-.5882		
.700		-.2571				-.4368				
.725					-.1936					
.727	-.2278									
.730									-.6831	
.750							-.4867	-.5066		
.760				-.1078						
.775					-.2820	-.4046				

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(6) = 4.218 BETA0(5) = 6.193

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.0017									
.793										
.798										
.808										
.834										
.839										
.850										
.857										
.862										
.865										
.879										
.900										
.905										
.919										
.950										
.953										
.955										
.965										
1.000										

ALPHA0(7) = 6.323 BETA0(1) = -4.082

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000										
.010										
.020										
.040										
.041										
.050										
.069										
.080										
.081										
.086										
.094										
.113										
.150										
.157										
.163										
.177										
.229										
.246										
.247										

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA(7) = 6.323 BETA(1) = -4.082

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2550	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4640	-.4499	-.4247	-.4033		
.274				-.3568						
.345									-.5015	
.362		-.0676								
.390			-.2914							
.400					-.5008	-.5469		-.5215		
.402				-.4173						
.418										-.4676
.429	-.0931									
.497		-.2081								
.503									-.5600	
.547	-.1047									
.550					-.5181	-.5755				
.565				-.4089					-.5527	
.600										
.637			-.3798							
.638	-.2554									
.650						-.5677				
.670									-.6666	
.700		-.3352				-.5631				
.725					-.4696					
.727	-.2919									
.730										-.6515
.750							-.5473	-.5394		
.760				-.2885						
.775					-.5107	-.5538				
.793	-.2773									
.798			-.2640							
.808				-.3568						
.834		-.1524								
.839			-.3401							
.850					-.3972	-.5274	-.5362			
.857				-.3422						
.862									-.6744	
.865	-.2863									
.879		-.2983								
.900	-.2415				-.3144			-.5029		
.905				-.3147						
.919			-.2514							
.950					-.2545	-.4735	-.4790			
.953				-.2779						
.955		-.2332								
.965	-.2780									
1.000				-.3739		-.3505		-.4895		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0 (7) = 6.327 BETA0 (2) = -2.045

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1665	-.0485	-.1595	.2988	.7062	.7005	.6899	.6374	-.0277	
.010		-.1266	-.1730	.1506	.2288	.3182	.2780	.1143		
.020		-.1300	-.1601	.0459	.1434	.1696	.1473	.0493	-.2631	
.040			-.1475	-.0538						
.041	-.1951									
.050		-.1063			-.0574	-.0400	-.0582	-.1109		
.069									-.2829	
.080					-.1881					
.081				-.1572						
.086			-.1054							
.094		-.1338								
.113	-.2392									
.150					-.3720	-.3365	.0000	-.2993		
.157									-.3936	
.163			-.0626							
.177				-.2607						
.229		-.1375								
.246			-.1903							
.247	-.0987									
.250					-.4555	-.4512	-.4274	-.4115		
.274				-.3536						
.345									-.5027	
.362		-.0658								
.390			-.2907							
.400					-.4958	-.5443		-.5253		
.402				-.4135						
.418										-.4986
.429	-.1020									
.497		-.2143								
.503									-.5507	
.547	-.1151									
.550					-.5115	-.5703				
.565				-.4061						
.600								-.5544		
.637			-.3789							
.638	-.2657									
.650							-.5665			
.670								-.6636		
.700		-.3368				-.5567				
.725					-.4599					
.727	-.2933									
.730									-.6635	
.750							-.5454	-.5420		
.760				-.2693						
.775					-.4868	-.5737				

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(7) = 6.326 BETA0 (3) = .008

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4189	-.4539	-.4348	-.4188		
.274				-.3564						
.345									-.5016	
.362		-.0571								
.390			-.2846							
.400					-.4620	-.5416		-.5260		
.402				-.4002						
.418										-.5331
.429	-.0980									
.497		-.2067								
.503									-.5430	
.547	-.1032									
.550					-.4715	-.5663				
.565				-.3918						
.600								-.5538		
.637			-.3699							
.638	-.2664									
.650						-.5645				
.670									-.6750	
.700		-.3271				-.5481				
.725					-.3644					
.727	-.2904									
.730										-.6750
.750							-.5444	-.5384		
.760				-.2488						
.775					-.4078	-.5731				
.793	-.1752									
.798			-.2078							
.808				-.3228						
.834		-.0787								
.839			-.3045							
.850					-.2952	-.5056	-.5357			
.857				-.3068						
.862									-.6732	
.865		-.2629								
.879			-.2912							
.900		-.2450			-.2695			-.5028		
.905				-.2914						
.919			-.2591							
.950					-.2288	-.4573	-.4996			
.953				-.2518						
.955			-.2406							
.965		-.2857								
1.000				-.3126		-.3543		-.4899		

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1A91A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A91 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(7) = 6.323 BETA0(4) = 2.079

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CM										
.000	-.2700	-.1434	-.2899	.2423	.6041	.6036	.5942	.5421	-.1363	
.010		-.2216	-.3057	.0985	.1444	.2363	.1956	.0379		
.020		-.2201	-.2711	.0220	.0537	.1010	.0799	-.0192	-.3268	
.040			-.2506	-.0580						
.041	-.2642									
.050		-.1693			-.1038	-.0866	-.1043	-.1626		
.069									-.3382	
.080					-.1994					
.081				-.1651						
.086			-.1183							
.094		-.1935								
.113	-.2758									
.150					-.3592	-.3514	.0000	-.3248		
.157									-.4211	
.163			-.0422							
.177				-.2546						
.229		-.1655								
.246			-.1736							
.247	-.1523									
.250					-.4188	-.4567	-.4412	-.4301		
.274				-.3525						
.345									-.5033	
.362		-.0552								
.390			-.2736							
.400					-.4631	-.5394		-.5327		
.402				-.3895						
.418										-.5571
.429	-.0868									
.497		-.2081								
.503									-.5345	
.547	-.1100									
.550					-.4591	-.5567				
.565				-.3756						
.600								-.5577		
.637			-.3506							
.638	-.2597									
.650						-.5514				
.670								-.6756		
.700		-.3137				-.5375				
.725				-.2682						
.727	-.2776									
.730										
.750							-.5415	-.5432		-.6827
.760			-.2157							
.775					-.3546	-.5589				

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(7) = 6.323 BETA0 (4) = 2.079

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	-.0704									
.798			-.1698							
.808				-.2991						
.834		-.0613								
.839			-.2924							
.850					-.3063	-.3901	-.5362			
.857				-.2932						
.862									-.6691	
.865		-.2748								
.879			-.2871							
.900		-.2471			-.3005			-.5074		
.905				-.2761						
.919			-.2620							
.950					-.2568	-.3077	-.4955			
.953				-.2462						
.955			-.2465							
.965		-.2872								
1.000				-.2341		-.3243		-.4861		

ALPHA0(7) = 6.317 BETA0 (5) = 4.142

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2782	-.2253	-.3776	.1812	.5284	.5596	.5498	.4927	-.1976	
.010		-.2968	-.3537	.0581	.0807	.1934	.1500	.0040		
.020		-.2834	-.3035	-.0070	.0038	.0618	.0404	-.0534	-.3576	
.040			-.2633	-.0761						
.041	-.2770									
.050		-.2207			-.1373	-.1161	-.1363	-.1910		
.069									-.3690	
.080					-.2147					
.081				-.1674						
.086			-.1041							
.094		-.2339								
.113	-.2834									
.150					-.3583	-.3631	.0000	-.3409		
.157									-.4403	
.163			-.0337							
.177				-.2361						
.229		-.1502								
.246			-.1574							
.247	-.1775									

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU12)

ALPHA0(7) = 6.317 BETA0 (5) = 4.142

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3884	-.4603	-.4503	-.4413		
.274				-.3173						
.345									-.5011	
.362		-.0396								
.390			-.2501							
.400					-.4242	-.5365		-.5405		
.402				-.3552						
.418										-.5839
.429	-.0932									
.497		-.1925								
.503									-.5344	
.547	-.0929									
.550					-.4135	-.5417				
.565				-.3561						
.600								-.5646		
.637			-.3364							
.638	-.2448									
.650						-.5457				
.670									-.6799	
.700		-.3046				-.5191				
.725				-.2419						
.727	-.2664									
.730									-.6923	
.750						-.5423	-.5470			
.760				-.1843						
.775					-.3354	-.5065				
.793	-.0393									
.798			-.1493							
.808				-.2843						
.834		-.0658								
.839			-.2859							
.850					-.2934	-.2783	-.5395			
.857				-.2571						
.862									-.6162	
.865		-.2830								
.879			-.2651							
.900	-.2327				-.2716			-.5084		
.905				-.2655						
.919			-.2560							
.950					-.2263	-.2263	-.4753			
.953				-.2528						
.955			-.2482							
.965	-.2869									
1.000				-.1883		-.2669		-.4859		

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AF11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU13) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .600 RN/FT = 2.250
 ELV-18 = 8.000 ELV-08 = .000
 RUDDER = .000 SPDBRK = .000

ALPHA0 (1) = -6.055 BETA0 (1) = -.005

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1606	-.0205	.0256	.1627	.2003	.0278	-.0919	-.0697	-.6456	
.010		-.0008	.0694	.3050	.4246	.4017	.3872	.3454		
.020		-.0134	.1009	.2839	.3493	.3396	.3388	.3121	-.2848	
.040			.1117	.2127						
.041	-.0935									
.050		.0087			.1627	.1535	.1580	.1422		
.069									-.2535	
.080					.0031					
.081				.9890						
.086			.1695							
.094		.0181								
.113	-.0448									
.150					-.1749	-.1942	.0000	-.1741		
.157									-.2407	
.163			.1572							
.177				-.1100						
.229		.0820								
.246			-.0410							
.247	.0062									
.250					-.2983	-.3271	-.3587	-.3660		
.274				-.2569						
.345									-.1884	
.362		.0470								
.390			-.1942							
.400				-.2740	-.3286		-.3445			
.402			-.2425							
.418									-.3840	
.429	.0596									
.497		-.1557								
.503									-.2089	
.547	-.0758									
.550				-.2312	-.2640					
.565			-.1678							
.600								-.2396		
.637			-.1215							
.638	-.1695									
.650						-.1748				
.670									-.0829	

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA(2) = -4.020 BETA(1) = -4.064

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.150					-.3111	-.3525	.0000	-.3012			
.157									-.2499		
.163			.1007								
.177				-.2198							
.229		.0750									
.246			-.1219								
.247	.0163										
.250					-.3934	-.4454	-.4895	-.4932			
.274				-.3486							
.345									-.2421		
.362		-.0052									
.390			-.2568								
.400					-.3085	-.3792		-.4113			
.402				-.2801							
.418										-.1953	
.429	.0451										
.497		-.2073									
.503									-.2816		
.547	-.1219										
.550					-.2144	-.2616					
.565				-.1507							
.600								-.2490			
.637			-.0940								
.638	-.1913										
.650							-.1668				
.670								-.1233			
.700		-.0737									
.725				-.1948		-.1377					
.727	-.0814										
.730										-.1896	
.750							-.1358	-.0539			
.760				-.2543							
.775				-.3815	-.2534						
.793	.0441										
.798			-.2567								
.808				-.2342							
.834		-.2370									
.839			-.2145								
.850					-.0660	-.0444	.0077				
.857				-.0946							
.862									.0027		
.865	-.3469										
.879		-.1016									
.900		-.1564			-.0179			.0685			
.905				-.0475							

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(RETR: 3)

.547

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA(2) = -3.985 BETA(2) = .001

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.550					-.2500	-.2818				
.565				-.1883						
.600								-.2589		
.637			-.1373							
.638	-.1980									
.650							-.1897			
.670									-.1042	
.700		-.1123				-.1594				
.725					-.2321					
.727	-.1048									
.730										-.2310
.750							-.1486	-.0610		
.760				-.2956						
.775					-.4101	-.2818				
.793	.0041									
.798			-.3037							
.808				-.2761						
.834		-.2729								
.839			-.2513							
.850					-.0967	-.0789	-.0052			
.857				-.1298						
.862									.0035	
.865		-.3692								
.879			-.1363							
.900		-.1766			-.0433			.0624		
.905				-.0706						
.919				-.0947						
.950					.0172	.0068	.0689			
.953				-.0165						
.955			-.0583							
.965		-.1675								
1.000				.0029		.0463		.0632		

ALPHA(2) = -3.974 BETA(3) = 4.077

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2136	-.0538	.0349	.2023	.2663	.1328	.0611	.0741	-.4448	
.010		-.0497	.0567	.2582	.3304	.3206	.3013	.2271		
.020		-.0497	.0789	.2158	.2509	.2213	.2169	.1876	-.2679	
.040			.0903	.1337						
.041	-.1468									

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA(2) = -3.974 BETA(3) = 4.077

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.0290			.0617	.0243	.0181	.0006		
.069									-.2730	
.080					-.0934					
.081				.0150						
.086			.1275							
.094		-.0148								
.113	-.0887									
.150					-.2527	-.2905	.0000	-.2853		
.157									-.2628	
.163			.1047							
.177				-.1703						
.229		.0488								
.246			-.0959							
.247	-.0204									
.250					-.3650	-.4016	-.4479	-.4488		
.274				-.3122						
.345									-.2257	
.362		.0018								
.390			-.2391							
.400					-.3386	-.3903		-.3965		
.402				-.2973						
.418									-.2521	
.429	.0266									
.497		-.2062								
.503									-.2398	
.547	-.1241									
.550					-.2874	-.3073				
.565				-.2224						
.600								-.2591		
.637			-.1796							
.638	-.2202									
.650							-.2068			
.670								-.0994		
.700		-.1587				-.1877				
.725				-.2864						
.727	-.1524									
.730									-.2289	
.750							-.1637	-.0680		
.760				-.3427						
.775					-.4670	-.3083				
.793	-.0437									
.798			-.3588							
.808				-.3262						
.834		-.3344								
.839			-.3067							

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA(2) = -3.974 BETA(3) = 4.077

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850										
.857										
.862										
.865										
.879										
.900										
.905										
.919										
.950										
.953										
.955										
.965										
1.000										

ALPHA(3) = .096 BETA(1) = -6.101

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000										
.010										
.020										
.040										
.041										
.050										
.069										
.080										
.081										
.086										
.094										
.113										
.150										
.157										
.163										
.177										
.229										
.246										
.247										
.250										
.274										
.345										
.362										
.390										

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA0(3) = .096 BETA0 (1) = -6.101

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW											
.400						-.3629	-.4589		-.5554		
.402					-.3374						
.418											-.2668
.429	-.0081										
.497		-.3153									
.503										-.5258	
.547	-.2162										
.550						-.2272	-.2909				
.565					-.1521						
.600									-.2976		
.637				-.0921							
.638	-.2573										
.650								-.1765			
.670										-.2710	
.700		-.0832					-.1326				
.725					-.1758						
.727	-.0949										
.730											-.4709
.750								-.1235	-.0646		
.760					-.2148						
.775						-.3385	-.2376				
.793	.0746										
.798				-.2295							
.808					-.1888						
.834		-.2106									
.839				-.1817							
.850						-.0349	-.0270	.0170			
.857					-.0645						
.862										-.0710	
.865	-.3292										
.879			-.0850								
.900	-.1315					.0091			.0640		
.905					-.0238						
.919			-.0425								
.950						.0637	.0427	.0891			
.953					.0243						
.955			-.0048								
.965	-.1156										
1.000				.0419		.0443		.0480			

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1575

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA0(3) = .098 BETAO (2) = -4.070

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1225	.0023	.0834	.3473	.5280	.4992	.4815	.4570	-.0910	
.010		-.0231	.0892	.2457	.1477	.1772	.1145	-.0852		
.020		-.0324	.0998	.0967	.0064	-.0277	-.0854	-.1646	-.3297	
.040			.1019	-.0486						
.041	-.0962									
.050		-.0205			-.2600	-.3202	-.3527	-.3918		
.069									-.3991	
.080					-.4516					
.081				-.2267						
.086			.0834							
.094		.0086								
.113	-.0668									
.150					-.5545	-.6380	.0000	-.5793		
.157									-.4932	
.163			-.0400							
.177				-.4137						
.229		.0246								
.246			-.2696							
.247	-.0231									
.250					-.5742	-.6512	-.7059	-.7204		
.274				-.4876						
.345									-.4539	
.362		-.1014								
.390			-.3691							
.400					-.3748	-.4756		-.5425		
.402				-.3556						
.418									-.2725	
.429	-.0127									
.497		-.3056								
.503									-.4843	
.547	-.2123									
.550					-.2554	-.3011				
.565				-.1812						
.600								-.2980		
.637			-.1215							
.638	-.2583									
.650						-.1891				
.670								-.2413		
.700		-.0999				-.1444				
.725				-.2026						
.727	-.1115									
.730									-.4320	
.750							-.1327	-.0661		
.760			-.2436							
.775				-.3668	-.2522					

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(RETU13)

DEPENDENT VARIABLE CP

X/CH

.793

.798

.808

.834

.839

.850

057

862

.865

.879

.900

.905

919

.950

.953

. 955

.965

DEPENDENT VARIABLE CP

X/CH

.000

.010

.020

.040

.041

.050

.069

.060

.081

.096

.094

.113

.150

.157

• 163

177

229

245
243

.247

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1577

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA0(3) = .086 BETA0(3) = -.016

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5253	-.6044	-.6604	-.6699		
.274				-.4613						
.345									-.3767	
.362		-.0933								
.390			-.3500							
.400					-.3912	-.4779		-.5177		
.402				-.3685						
.418										-.2528
.429	-.0226									
.497		-.3009								
.503									-.4108	
.547	-.2087									
.550					-.2775	-.3181				
.565				-.2214						
.600								-.2949		
.637			-.1641							
.638	-.2699									
.650						-.2018				
.670									-.1886	
.700		-.1440				-.1745				
.725				-.2319						
.727	-.1516									
.730										-.3313
.750							-.1493	-.0742		
.760				-.2936						
.775					-.3870	-.2871				
.793	-.0174									
.798			-.2959							
.808				-.2609						
.834		-.2737								
.839			-.2410							
.850					-.0852	-.0697	-.0061			
.857				-.1207						
.862									-.0267	
.865	-.3670									
.879		-.1365								
.900	-.1738				-.0318			.0548		
.905				-.0667						
.919			-.0874							
.950					.0306	.0084	.0731			
.953				-.0121						
.955		-.0499								
.965	-.1492									
1.000			.0122			.0384		.0539		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA0 (3) = .117 BETA0 (4) = 4.075

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2372	-.1033	-.0123	.2350	.3981	.3531	.3298	.3164	-.1033	
.010		-.1104	.0127	.1711	.1349	.1519	.0947	-.0740		
.020		-.1073	.0371	.0745	.0224	-.0172	-.0579	-.1427	-.3388	
.040			.0428	-.0230						
.041	-.1806									
.050		-.0798			-.1949	-.2547	-.2880	-.3358		
.069									-.3899	
.080					-.3500					
.081				-.1629						
.086			.0517							
.094		-.0539								
.113	-.1199									
.150					-.4674	-.5407	.0000	-.5179		
.157									-.4292	
.163			-.0175							
.177				-.3368						
.229		.0072								
.246			-.2162							
.247	-.0498									
.250					-.5259	-.5919	-.6366	-.6407		
.274				-.4431						
.345									-.3479	
.362		-.0875								
.390			-.3447							
.400					-.4158	-.4900		-.4968		
.402				-.3744						
.418									-.2962	
.429	-.0203									
.497		-.2989								
.503									-.3612	
.547	-.1979									
.550					-.3249	-.3419				
.565				-.2563						
.600								-.2910		
.637			-.2141							
.638	-.2809									
.650						-.2230				
.670								-.1523		
.700		-.1899				-.1939				
.725				-.2910						
.727	-.1873									
.730									-.3437	
.750						-.1632	-.0735			
.760			-.3424							
.775				-.4528	-.3090					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETV13)

ALPHA(3) = .121 BETA(5) = 6.104

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5153	-.5760	-.6201	-.6253		
.274				-.4252						
.345									-.3214	
.362		-.0815								
.390			+.3356							
.400					-.4205	-.4934		-.4894		
.402				-.3820						
.418										-.3074
.429	-.0246									
.497		-.2934								
.503									-.3431	
.547	-.1962									
.550					-.5392	-.3543				
.565				+.2734						
.600								-.2834		
.637			+.2354							
.638	-.2859									
.650							-.2206			
.670									-.1359	
.700		-.2056				-.2079				
.725					-.3062					
.727	-.2024									
.730										-.3131
.750							-.1734	-.0794		
.760				-.3550						
.775					-.4755	-.3243				
.793	-.0871									
.798			-.3607							
.808				-.3275						
.834		-.3343								
.839			-.3056							
.850					-.1484	-.1122	-.0262			
.857				-.1860						
.862									.0006	
.865	-.4099									
.879		-.1866								
.900	-.2234				-.0928			.0548		
.905				-.1268						
.919		-.1429								
.950					-.0341	-.0295	.0588			
.953				-.0731						
.955		+.1060								
.965	-.2112									
1.000				-.0505		.0153		.0524		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA(1) = 4.241 BETA(1) = -4.562

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CM										
.000	-.1387	-.0642	-.0155	.2891	.4818	.4349	.3840	.2317	-.3939	
.010		-.1202	-.0181	.0574	-.2078	-.2341	-.4320	-.7674		
.020		-.1197	-.0024	-.1324	-.3402	-.4611	-.6204	-.6572	-.8696	
.040			.0002	-.2884						
.041	-.1300									
.050		-.0815			-.6071	-.7430	-.8612	-.9606		
.069					-.7756				-.8561	
.080										
.081				-.4731						
.086			-.0321							
.094		-.0670								
.113	-.0940									
.150					-.7851	-.9368	.0000	-.9236		
.157									-.9245	
.163			-.1829							
.177				-.6108						
.229		-.3275								
.246			-.4108							
.247	-.0495									
.250					-.7405	-.8534	-.9422	-.9887		
.274				-.6390						
.345									-.8336	
.362		-.1904								
.390			-.4716							
.400					-.4646	-.5480		-.7139		
.402				-.4282						
.418										-1.0228
.429	-.0617									
.497		-.4019								
.503									-.8382	
.547	-.3176									
.550					-.2790	-.3388				
.565				-.2023						
.600								-.3569		
.637			-.1497							
.638	-.3354									
.650						-.2157				
.670									-.5590	
.700		-.1373				-.1652				
.725				-.1995						
.727	-.1517									
.730										-1.4205
.750						-.1467	-.1144			
.760				-.2346						
.775					-.3391	-.2502				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA(4) = 4.240 BETA(2) = -.004

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CH											
.250					-.6962	-.8020	-.8733	-.8998			
.274				-.5863							
.345									-.6820		
.362		-.1736									
.390			-.4455								
.400					-.4717	-.5325		-.6716			
.402				-.4300							
.418										-.9377	
.429	-.0672										
.497		-.3904									
.503									-.8986		
.547	-.3102										
.550					-.3080	-.3474					
.565				-.2382							
.600								-.3314			
.637			-.1852								
.638	-.3376										
.650							-.2184				
.670								-.3853			
.700		-.1720				-.1789					
.725					-.2321						
.727	-.1836										
.730										-.11746	
.750							-.1533	-.0943			
.760				-.2695							
.775					-.3780	-.2763					
.793	-.0072										
.798			-.2828								
.808				-.2351							
.834		-.2706									
.839			-.2364								
.850					-.0732	-.0534	-.0116				
.857				-.1064							
.862									-.2329		
.865	-.3798										
.879			-.1300								
.900	-.1619				-.0219			.0340			
.905				-.0547							
.919			-.0763								
.950					.0372	.0213	.0650				
.953				-.0042							
.955			-.0314								
.965	-.1412										
1.000				.0296		.0213		.0008			

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1584

ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA0 (4) = 4.238 BETA0 (3) = 4.073

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2818	-.2107	-.1302	.1663	.3867	.3463	.3019	.1791	-.4647	
.010		-.2117	-.0819	.0120	-.1430	-.1748	-.3158	-.6165		
.020		-.1832	-.0507	-.1191	-.2528	-.3518	-.4919	-.6786	-.7360	
.040			-.0392	-.2275						
.041	-.2137									
.050		-.1314			-.4713	-.5959	-.6968	-.7934		
.069									-.7277	
.080					-.6224					
.081				-.3675						
.086			-.0413							
.094		-.0991								
.113	-.1512									
.150					-.6642	-.7876	.0000	-.7912		
.157									-.7438	
.163			-.1386							
.177				-.5022						
.229		-.0433								
.246			-.3440							
.247	-.0831									
.250					-.6627	-.7627	-.8417	-.8516		
.274				-.5567						
.345									-.5899	
.362		-.1604								
.390			-.4241							
.400					-.4731	-.5551		-.6436		
.402				-.4416						
.418									-.9704	
.429	-.0720									
.497		-.3830								
.503									-.6240	
.547	-.2935									
.550					-.3411	-.3685				
.565				-.2690						
.600								-.3284		
.637			-.2327							
.638	-.3484									
.650						-.2327				
.670									-.3350	
.700		-.2137				-.2058				
.725				-.2774						
.727	-.2117									
.730									-.10605	
.750							-.1730	-.0972		
.760			-.3177							
.775				-.4089	-.3062					

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1585

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA(4) = 4.238 BETA(3) = 4.073

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	-.0598									
.798			-.3365							
.808				-.2783						
.834		-.3148								
.839			-.2862							
.850					-.1115	-.0817	-.0243			
.857				-.1523						
.862									-.2170	
.865	-.4164									
.879			-.1741							
.900	-.2040				-.0583			.0333		
.905				-.0997						
.919			-.1284							
.950					-.0008	-.0107	.0561			
.953				-.0437						
.955			-.0775							
.965	-.1837									
1.000				-.0203		.0152		.0060		

ALPHA(5) = 8.385 BETA(1) = -.010

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2323	-.2594	-.2711	.0735	.2970	.1866	.0300	-.2759	-1.1797	
.010		-.3160	-.2337	-.2256	-.5846	-.7301	-1.0905	-1.6243		
.020		-.2757	-.1785	-.4035	-.6852	-.9141	-1.2245	-1.7007	-1.5570	
.040			-.1628	-.5175						
.041	-.1938									
.050		-.1820			-.9024	-1.1366	-1.3769	-1.5604		
.069									-1.5669	
.080					-1.0291					
.081				-.6616						
.086			-.1759							
.094		-.1346								
.113	-.1507									
.150					-.9696	-1.1631	.0000	-1.2185		
.157									-1.3274	
.163			-.3008							
.177				-.7344						
.229		-.0800								
.246			-.5169							
.247	.0000									

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA0(5) = 8.385 BETA0 (1) = -.010

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.8198	-1.0009	-1.1113	-1.1754		
.274				-.7110						
.345									-1.0791	
.362		-.2600								
.390			-.5288							
.400					-.5190	-.6257		-.7254		
.402				-.4727						
.418										-2.1360
.429	-.1249									
.497		-.4859								
.503									-1.0574	
.547	-.4056									
.550					-.3159	-.3778				
.565				-.2511						
.600								-.4182		
.637			-.2279							
.638	-.4061									
.650						-.2512				
.670									-.6930	
.700		-.2023				-.1843				
.725					-.2175					
.727	-.1942									
.730										-1.5831
.750							-.1762	-.1755		
.760				-.2803						
.775					-.2904	-.2469				
.793	.0136									
.798			-.2977							
.808				-.2376						
.834		-.2640								
.839			-.2477							
.850					-.0665	-.0571	-.0392			
.857				-.1325						
.862									-.8438	
.865		-.4121								
.879			-.1202							
.900		-.1457			-.0212			-.0312		
.905				-.0794						
.919			-.0743							
.950					.0162	.0127	.0389			
.953				-.0243						
.955			-.0249							
.965		-.1285								
1.000				.0142		.0243		-.0545		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAPIELML SEALED LEFT WING TOP

(RETU13)

ALPHA(6) = 10.455 BETA(1) = .002

SECTION 1 (LEFT WING TOP)

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2562	-.3226	-.3638	.0148	.2006	.0646	-.1540	-.5470	-1.7201	
.010		-.3794	-.3207	-.3176	-.7686	-1.0187	-1.4781	-2.1183		
.020		-.3327	-.2602	-.5128	-.8545	-1.1969	-1.6096	-2.2492	-2.0015	
.040			-.2361	-.6204						
.041	-.2241									
.050		-.2195			-1.0750	-1.4181	-1.7602	-2.0252		
.069									-2.0908	
.080					-1.2064					
.081				-.7735						
.086			-.2397							
.094		-.1716								
.113	-.1737									
.150					-1.0917	-1.3285	.0000	-1.1185		
.157									-1.6195	
.163			-.3772							
.177				-.8130						
.229		-.1143								
.246			-.5819							
.247	-.1029									
.250					-.9111	-1.0484	-1.1733	-1.3343		
.274				-.7556						
.345									-1.2529	
.362		-.3102								
.390			-.5537							
.400					-.5460	-.6572		-.8034		
.402				-.4959						
.418										-2.5632
.429	-.1411									
.497		-.5463								
.503									-1.0931	
.547	-.4398									
.550					-.3283	-.3920				
.565				-.2664						
.600								-.4721		
.637			-.2361							
.638	-.4262									
.650						-.2766				
.670									-1.4383	
.700		-.2437				-.1948				
.725					-.2293					
.727	-.1969									
.730										
.750							-.1920	-.2435		-1.5359
.760				-.2864						
.775					-.3047	-.2402				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU13)

ALPHA0(B) = 10.456 BETA0 (1) = .002

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0123									
.798			-.3120							
.808				-.2531						
.834		-.2630								
.839			-.2735							
.850					-.0814	-.0628	-.0657			
.857				-.1348						
.862									-1.2509	
.865		-.4254								
.879			-.1422							
.900		-.1559			-.0265			-.0791		
.905				-.0875						
.919			-.0991							
.950					.0161	.0055	.0179			
.953				-.0246						
.955			-.0339							
.965		-.1427								
1.000				.0102		.0122		-.0786		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU14) (17 OCT 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

MACH = 1.400 RN/FT = 2.250
 ELV-18 = 8.000 ELV-08 = -4.000
 RUDDER = .000 SPOBRK = .000

ALPHA0 (1) = -6.312 BETA0 (1) = -4.066

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1792	.0387	-.0449	.2603	.5988	.5158	.4783	.4822	-.4251	
.010		.0225	-.0216	.3682	.6236	.6185	.6183	.5641		
.020		-.0006	-.0046	.3296	.5446	.5291	.5489	.5374	-.0800	
.040			.0017	.2606						
.041	-.0509									
.050		-.0183			.3544	.3544	.3809	.3864		
.069									-.0974	
.080					.1746					
.081				.1898						
.086			.0685							
.094		-.0553								
.113	-.0363									
.150					-.0184	.0270	.0000	.1143		
.157									-.1880	
.163			.2015							
.177				.0340						
.229		-.0037								
.246			.0067							
.247	-.0397									
.250					-.1284	-.1257	-.0961	-.0884		
.274				-.1132						
.345									-.2329	
.362		.0899								
.390			-.0881							
.400					-.2483	-.2774		-.2887		
.402				-.2190						
.418									-.2955	
.429	.0100									
.497		-.0733								
.503									-.2616	
.547	.0061									
.550					-.2932	-.3146				
.565				-.2212						
.600								-.3689		
.637		-.2022								
.638	-.1067									
.650						-.3512				
.670									-.2360	

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA(1) = -6.295 BETA(2) = -2.013

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.150					-.0196	.0185	.0000	.0992		
.157									-.2193	
.163			.1689							
.177				.0238						
.229		-.0257								
.246			-.0149							
.247	-.0685									
.250					-.1391	-.1262	-.1003	-.0943		
.274				-.1103						
.345									-.2437	
.362		.0718								
.390			-.0995							
.400					-.2517	-.2799		-.2875		
.402				-.2209						
.418									-.2146	
.429	-.0157									
.497		-.0981								
.503									-.2542	
.547	-.0163									
.550					-.2914	-.3107				
.565				-.2147						
.600								-.3785		
.637			-.1048							
.638	-.1289									
.650							-.3403			
.670									-.2304	
.700		-.1164								
.725					-.0162	-.3148				
.727	-.1481									
.730									-.2550	
.750							-.2257	-.3009		
.760				.0328						
.775					-.2005	-.2363				
.793	.2044									
.798			.0098							
.808				-.1422						
.834		.0419								
.839			-.1607							
.850					-.1201	-.1287	-.2177			
.857				-.1481						
.862									-.1805	
.865	-.2228									
.879		-.1752								
.900	-.1436				-.1301			-.1749		
.905				-.1773						

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1592

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETV14)

ALPHA(1) = -6.295 BETA(2) = -2.013

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.919			-.1850							
.950					-.1000	-.0590	-.0324			
.953				-.1642						
.955			-.1859							
.965		-.1601								
1.000				-.4128		-.3088		-.3234		

ALPHA(1) = -6.258 BETA(3) = .056

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2768	-.0560	-.1005	.1276	.4299	.3703	.3314	.3513	-.2578	
.010		-.0798	-.0781	.2486	.5030	.5111	.5090	.4732		
.020		-.1011	-.0620	.2408	.4474	.4488	.4594	.4556	-.1580	
.040			-.0545	.1959						
.041	-.1825									
.050		-.1109			.2876	.3006	.3202	.3301		
.069									-.1627	
.080					.1681					
.081				.1349						
.086			.0293							
.094		-.1159								
.113	-.1356									
.150					-.0040	.0306	.0000	.0833		
.157									-.2314	
.163			.1459							
.177				.0195						
.229		-.0314								
.246			-.0245							
.247	-.0889									
.250					-.1183	-.1189	-.0932	-.0896		
.274				-.1077						
.345									-.2358	
.362		.0541								
.390			-.0999							
.400					-.2258	-.2596		-.2895		
.402				-.2145						
.418									-.1855	
.429	-.0225									
.497		-.1098								
.503									-.2541	
.547	-.0292									

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0(1) = -6.258 BETA0 (3) = .056

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.550					-.2624	-.2947				
.565				-.1715						
.600								-.3702		
.637			-.0059							
.638	-.1521									
.650							-.3299			
.670									-.2191	
.700		-.0167				-.1567				
.725					.0261					
.727	-.1060									
.730										-.2306
.750							-.2212	-.2823		
.760				.0247						
.775					-.1845	-.2113				
.793	.2182									
.798			.0003							
.808				-.1415						
.834		.0339								
.839			-.1711							
.850					-.1124	-.0935	-.1325			
.857				-.1628						
.862									-.1618	
.865		-.2355								
.879			-.1891							
.900		-.1644			-.1294			-.1538		
.905				-.1968						
.919			-.1970							
.950					-.1060	-.0247	.0971			
.953				-.1840						
.955			-.2023							
.955		-.1705								
1.000				-.4200		-.3593		-.3011		

ALPHA0(1) = -6.244 BETA0 (4) = 2.126

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.3098	-.1108	-.1353	.1166	.3712	.3019	.2721	.2975	-.2162	
.010		-.1310	-.1119	.2171	.4631	.4634	.4678	.4379		
.020		-.1462	-.0921	.2162	.4122	.4081	.4266	.4234	-.1828	
.040			-.0839	.1797						
.041	-.2373									

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETV14)

ALPHA0 (1) = -6.244 BETA0 (4) = 2.126

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.050		-.1468			.2677	.2761	.3050	.3084		
.069									-.1890	
.080					.1689					
.081				.1206						
.086			-.0012							
.094		-.1392								
.113	-.1669									
.150					.0074	.0344	.0000	.0907		
.157									-.2462	
.163			.1176							
.177				.0115						
.229		-.0415								
.246			-.0318							
.247	-.1078									
.250					-.0988	-.1140	-.0929	-.0953		
.274				-.0951						
.345									-.2329	
.362		.0345								
.390			-.0940							
.400					-.2056	-.2461		-.2832		
.402				-.2033						
.418										-.1616
.429	-.0344									
.497		-.1105								
.503									-.2561	
.547	-.0371									
.550					-.2382	-.2858				
.565				-.1038						
.600								-.3585		
.637			.0303							
.638	-.1541									
.650							-.3164			
.670									-.2082	
.700		.0216				-.0749				
.725					.0605					
.727	-.0718									
.730										-.2185
.750							-.1833	-.2608		
.760				.0233						
.775					-.1590	-.1995				
.793	.2274									
.798			-.0047							
.808				-.1489						
.834		.0302								
.839			-.1819							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETI14)

ALPHA0 (1) = -6.244 BETA0 (4) = 2.126

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.1200	-.0994	-.0040			
.857				-.1697						
.862									-.1472	
.865		-.2405								
.879			-.2040							
.900		-.1801			-.1353			-.1021		
.905				-.2070						
.919			-.2091							
.950					-.1188	-.0165	.1368			
.953					-.1958					
.955			-.2069							
.965		-.1889								
1.000				-.3764		-.3877		-.2685		

ALPHA0 (1) = -6.233 BETA0 (5) = 4.187

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3086	-.1679	-.1654	.0997	.3235	.2455	.2393	.2611	-.2239	
.010		-.1858	-.1392	.1947	.4299	.4208	.4359	.4050		
.020		-.1922	-.1149	.1935	.3842	.3742	.3984	.3957	-.2041	
.040			-.1036	.1660						
.041	-.2742									
.050		-.1837			.2544	.2594	.2845	.2902		
.069									-.2103	
.080					.1527					
.081				.1115						
.086			-.0185							
.094		-.1477								
.113	-.1922									
.150					-.0028	.0381	.0000	.0806		
.157									-.2611	
.163			.1022							
.177				.0156						
.229		-.0549								
.246			-.0279							
.247	-.1243									
.250					-.1062	-.1108	-.0959	-.1027		
.274				-.0841						
.345									-.2413	
.362		.0312								
.390			-.0903							

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RE TU 14)

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      , ALPHA0( 1) = -6.233      BETA0 ( 5) =  4.187

```

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CN

.400

.402

.418

.429

.497

.503

.547

.550

.565

.600

.637

638

.650

.670
722

.700

.725

.727
730

.730

.750
760

760
275

775
703

.793
799

798
909

808
834

.834
979

. 839
850

.850
.857

857
862

.862
.865

.879

900

.905

.919

.950

.953

.955

.965

1.000

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA(2) = -4.204 BETA(1) = -6.151

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1310	.0759	-.0222	.3180	.6655	.6097	.5815	.5937	-.3250	
.010		.0527	-.0068	.3907	.6018	.6401	.6357	.5714		
.020		.0298	.0033	.3313	.5135	.5284	.5407	.5341	-.0159	
.040			.0081	.2510						
.041	-.0404									
.050		.0076			.3093	.3214	.3457	.3563		
.069									-.0593	
.080					.1430					
.081				.1626						
.086			.0840							
.094		-.0445								
.113	-.0160									
.150					-.0614	-.0147	.0000	.0687		
.157									-.1830	
.163			.1726							
.177				-.0115						
.229		-.0054								
.246			-.0030							
.247	-.0318									
.250					-.1947	-.1838	-.1516	-.1318		
.274				-.1626						
.345									-.2438	
.362		.0719								
.390			-.1294							
.400					-.2986	-.3297		-.3298		
.402				-.2600						
.418										-.1814
.429	-.0043									
.497		-.0930								
.503									-.2816	
.547	-.0123									
.550					-.3429	-.3682				
.565				-.2699						
.600								-.4100		
.637			-.2433							
.638	-.1356									
.650							-.4022			
.670									-.2800	
.700		-.2115				-.3641				
.725					-.2257					
.727	-.1868									
.730										-.1671
.750							-.3007	-.3404		
.760				-.0550						
.775					-.3101	-.4706				

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(RETU14)

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0(2) = -4.193 BETA0 (2) = -4.092

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.1877	-.1838	-.1536	-.1354			
.274				-.1662							
.345									-.2530		
.362		.0561									
.390			-.1314								
.400					-.2929	-.3183		-.3274			
.402				-.2574							
.418										-.1724	
.429	-.0135										
.497		-.1077									
.503									-.2811		
.547	-.0218										
.550					-.3359	-.3626					
.565				-.2679							
.600								-.4048			
.637			-.2429								
.638	-.1453										
.650						-.3983					
.670								-.2716			
.700		-.2143				-.3580					
.725				-.1332							
.727	-.1889										
.730									-.1612		
.750						-.2962	-.3314				
.760			-.0318								
.775				-.2483	-.4438						
.793	.1039										
.798		-.0126									
.808			-.1421								
.834		.0415									
.839			-.1437								
.850					-.1648	-.1786	-.2848				
.857			-.1396								
.862									-.2236		
.865	-.2058										
.879		-.1679									
.900	-.1427				-.1416			-.2305			
.905			-.1669								
.919		-.1774									
.950				-.0868	-.1656	-.1997					
.953			-.1538								
.955		-.1834									
.965	-.1598										
1.000			-.4109		-.2987		-.3449				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA(2) = -4.164 BETA(3) = .031

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2833	-.0612	-.1019	.1660	.4745	.4361	.4224	.4306	-.3448	
.010		-.0927	-.0823	.2510	.4754	.5082	.5150	.4569		
.020		-.1168	-.0678	.2121	.4085	.4221	.4425	.4306	-.1335	
.040			-.0602	.1530						
.041	-.2555									
.050		-.1281			.2450	.2561	.2735	.2820		
.069									-.1558	
.080					.0989					
.081				.0970						
.086			.0123							
.094		-.1601								
.113	-.1672									
.150					-.0779	-.0391	.0000	.0343		
.157									-.2460	
.163			.1057							
.177				-.0329						
.229		-.0531								
.246			-.0527							
.247	-.1232									
.250					-.1718	-.1746	-.1595	-.1502		
.274				-.1560						
.345									-.2602	
.362		.0211								
.390			-.1388							
.400					-.2723	-.3133		-.3335		
.402				-.2457						
.418										-.1295
.429	-.0444									
.497		-.1372								
.503									-.2844	
.547	-.0566									
.550					-.3138	-.3378				
.565				-.2432						
.600								-.4023		
.637			-.1104							
.638	-.1834									
.650						-.3785				
.670								-.2614		
.700		-.1326				-.3241				
.725					-.0552					
.727	-.1840									
.730										-.1980
.750							-.2648	-.3282		
.760				.0011						
.775					-.2254	-.2638				

ARC11-D19 1A81 LVAP (ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0 (2) = -4.142 BETA0 (4) = 4.151

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.1286	-.1531	-.1436	-.1425		
.274				-.1226						
.345									-.2775	
.362		.0024								
.390			-.1227							
.400					-.2256	-.2774		-.3271		
.402				-.2219						
.418										-.1797
.429	-.0631									
.497		-.1363								
.503									-.3010	
.547	-.0610									
.550					-.2526	-.3128				
.565				-.1486						
.600								-.3919		
.637			-.0046							
.638	-.1805									
.650							-.3461			
.670									-.2400	
.700		-.0293				-.1167				
.725					.0294					
.727	-.1141									
.730										-.1874
.750							-.2145	-.3089		
.760				.0051						
.775				-.1940	-.2277					
.793	.1878									
.798		-.0243								
.808			-.1798							
.834		.0058								
.839			-.2075							
.850					-.1467	-.1285	-.0566			
.857				-.1913						
.862									-.1588	
.865		-.2527								
.879			-.2235							
.900		-.2016			-.1624			-.1617		
.905				-.2276						
.919			-.2267							
.950					-.1477	-.0480	.0855			
.953				-.2176						
.955			-.2286							
.965		-.2148								
1.000				-.2779		-.3997		-.2418		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0(2) = -4.129 BETA0(5) = 6.220

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.3276	-.2530	-.1748	.0795	.3691	.3269	.2722	.2789	-.2407		
.010		-.2658	-.1518	.1525	.3766	.4116	.3870	.3397			
.020		-.2667	-.1341	.1481	.3288	.3436	.3344	.3227	-.2109		
.040			-.1243	.1222							
.041	-.3313										
.050		-.2503			.2016	.2139	.2081	.2070			
.069									-.2246		
.080					.0857						
.081				.0693							
.086			-.0458								
.094		-.1968									
.113	-.2591										
.150					-.0459	-.0109	.0000	.0070			
.157									-.2881		
.163			.0812								
.177				-.0213							
.229		-.0917									
.246			-.0587								
.247	-.1814										
.250					-.1407	-.1475	-.1422	-.1465			
.274				-.1113							
.345									-.2772		
.362		-.0048									
.390			-.1174								
.400					-.2376	-.2673		-.3217			
.402				-.2167							
.418									-.1701		
.429	-.0761										
.497		-.1340									
.503									-.2955		
.547	-.0602										
.550					-.2686	-.3021					
.565				-.1267							
.600								-.3818			
.637		-.0014									
.638	-.1817										
.650							-.3339				
.670								-.2277			
.700		-.0310				-.0649					
.725					.0386						
.727	-.1178										
.730									-.2079		
.750							-.1236	-.2839			
.760				.0133							
.775					-.2020	-.2061					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETI14)

ALPHA(3) = -2.093 BETA(1) = -6.169

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.2447	-.2320	-.2043	-.1774		
.274				-.2080						
.345									-.2529	
.362		.0368								
.390			-.1692							
.400					-.3507	-.3779		-.3670		
.402				-.2953						
.418									-.0234	
.429	-.0216									
.497		-.1245								
.503									-.2919	
.547	-.0354									
.550					-.3811	-.4191				
.565				-.3086						
.600								-.4354		
.637			-.2780							
.638	-.1594									
.650						-.4425				
.670								-.3216		
.700		-.2415				-.4191				
.725				-.3272						
.727	-.2121									
.730									-.1628	
.750							-.3782	-.3735		
.760				-.1254						
.775					-.4065	-.5011				
.793	-.1042									
.798			-.0865							
.808				-.1786						
.834		-.0052								
.839			-.1518							
.850					-.2252	-.3729	-.3432			
.857				-.1592						
.862									-.2897	
.865	-.1921									
.879			-.1597							
.900	-.1370				-.1834			-.2490		
.905			-.1635							
.919			-.1685							
.950					-.1233	-.2913	-.2569			
.953				-.1485						
.955			-.1707							
.965	-.1549									
1.000				-.3962		-.3351		-.3587		

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA(3) = -2.078 BETA(2) = -2.063

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.2377	-.0222	-.0863	.2687	.5863	.5592	.5354	.5494	-.2440		
.010		-.0502	-.0696	.3050	.4938	.5511	.5397	.4696			
.020		-.0704	-.0507	.2443	.4116	.4379	.4409	.4295	-.0699		
.040			-.0365	.1675							
.041	-.2142										
.050		-.0854			.2159	.2350	.2471	.2575			
.069					.0694				-.1157		
.080											
.081				.0715							
.086			.0327								
.094		-.1231									
.113	-.1635										
.150					-.1104	-.0771	.0000	-.0135			
.157									-.2326		
.163			.0901								
.177			-.0697								
.229		-.0604									
.246			-.0601								
.247	-.1110										
.250					-.2377	-.2401	-.2108	-.1943			
.274				-.2075							
.345									-.2669		
.362		.0111									
.390			-.1760								
.400					-.3405	-.3742		-.3775			
.402				-.2923							
.418									-.0561		
.429	-.0493										
.497		-.1536									
.503									-.2790		
.547	-.0680										
.550					-.3699	-.4065					
.565				-.3057							
.600								-.4446			
.637			-.2697								
.638	-.1956										
.650							-.4394				
.670									-.3199		
.700		-.2373				-.3975					
.725					-.1691						
.727	-.2139										
.730										-.2214	
.750							-.3394	-.3797			
.760				-.0678							
.775					-.2855	-.4610					

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(RETU14)

.247

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA(3) = -2.057 BETA(3) = 2.077

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.9870	.9720	1.0000	
X/CW											
.250					-.2177	-.2345	-.2191	-.2078			
.274				-.1904							
.345									-.2908		
.362		-.0163									
.390			-.1645								
.400					-.2978	-.3426		-.3777			
.402				-.2654							
.418									-.0807		
.429	-.0634										
.497		-.1647									
.503								-.3242			
.547	-.0873										
.550					-.3382	-.3634					
.565				-.2623							
.600								-.4347			
.637			-.1181								
.638	-.1991										
.650							-.4135				
.670								-.2988			
.700		-.1515				-.3324					
.725					+.0805						
.727	-.1924										
.730									-.2663		
.750							-.2997	-.3600			
.760				-.0213							
.775					-.2429	-.2827					
.793	.1529										
.798			-.0399								
.808				-.2167							
.834		-.0086									
.839			-.2320								
.850					-.2118	-.1833	-.2758				
.857				-.2000							
.862								-.2443			
.865		-.2644									
.879			-.2343								
.900		-.2237			-.1864			-.2174			
.905				-.2288							
.919			-.2302								
.950					-.1556	-.1314	-.0932				
.953				-.2150							
.955			-.2302								
.965		-.2258									
1.000				-.3812		-.3651		-.3487			

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0(3) = -2.039 BETA0(4) = 6.185

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3457	-.2891	-.1592	.1677	.4486	.4035	.3622	.3541	-.2176	
.010		-.2952	-.1466	.1711	.3637	.3874	.3579	.2983		
.020		-.2909	-.1274	.1534	.3044	.3002	.2820	.2719	-.1777	
.040			-.1182	.1215						
.041	-.3527									
.050		-.2666			.1529	.1373	.1405	.1342		
.069									-.2121	
.080					.0375					
.081				.0495						
.086			-.0586							
.094		-.2399								
.113	-.2827									
.150					-.1016	-.1043	.0000	-.0669		
.157									-.2960	
.163			.0575							
.177				-.0631						
.229		-.1079								
.246			-.0680							
.247	-.2166									
.250					-.1779	-.2042	-.2142	-.2185		
.274				-.1460						
.345									-.3050	
.362		-.0076								
.390			-.1387							
.400					-.2710	-.3152		-.3668		
.402				-.2376						
.418									-.1437	
.429	-.0869									
.497		-.1372								
.503									-.2638	
.547	-.0656									
.550					-.2960	-.3348				
.565				-.1782						
.600								-.4121		
.637			-.0501							
.638	-.1770									
.650						-.3727			-.2629	
.670										
.700		-.0738				-.1304				
.725					.0131					
.727	-.1411									
.730										
.750							-.2421	-.3454		-.2846
.760				-.0081						
.775					-.2175	-.2346				

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TABLE - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

ALPHA0(3) = -2.039 BETA0 (4) = 6.185

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1650									
.798			-.0394							
.808				-.2224						
.834		-.0073								
.839			-.2458							
.850					-.2082	-.1841	-.0821			
.857				-.2292						
.862									-.2013	
.865		-.2634								
.879			-.2584							
.900		-.2353			-.2144			-.1261		
.905				-.2566						
.919			-.2552							
.950					-.1993	-.0752	.0529			
.953				-.2423						
.955			-.2404							
.965		-.2399								
1.000				-.2170		-.3857		-.2879		

ALPHAO(4) = .021 BETAO (1) = -6.181

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0(4) = .021 BETA0 (1) = -6.181

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.2907	-.2892	-.2585	-.2299		
.274				-.2478						
.345									-.2335	
.362		.0120								
.390			-.2014							
.400					-.3943	-.4208		-.4102		
.402				-.3297						
.418										-.0574
.429	-.0354									
.497		-.1440								
.503									-.3152	
.547	-.0521									
.550					-.4209	-.4633				
.565				-.3384						
.600								-.4647		
.637			-.3083							
.638	-.1816									
.650						-.4727				
.670									-.4066	
.700		-.2658				-.4611				
.725					-.3738					
.727	-.2321									
.730										-.3388
.750							-.4294	-.3609		
.760				-.1953						
.775					-.4535	-.5306				
.793	-.1931									
.798			-.1531							
.808				-.2414						
.834		-.0750								
.839			-.2001							
.850					-.2864	-.4254	-.3932			
.857				-.2009						
.862									-.4019	
.865	-.2353									
.879		-.1910								
.900	-.1644				-.2386			-.2903		
.905				-.1989						
.919		-.1941								
.950					-.1760	-.3919	-.2660			
.953				-.1796						
.955		-.1881								
.965	-.1831									
1.000			-.3998			-.3811		-.3734		

ARC11-019 IAB1 LVAP1ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0(4) = .023 BETA0(2) = -4.121

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1235	.0252	-.0808	.3657	.6816	.6582	.6397	.6376	.0102	
.010		-.0147	-.0833	.3493	.4822	.5606	.5450	.4418		
.020		-.0394	-.0650	.2672	.3869	.4263	.4255	.3913	-.0093	
.040			-.0490	.1618						
.041	-.1241									
.050		-.0476			.1763	.2049	.2098	.2010		
.069									-.0709	
.080					.0252					
.081				.0355						
.086			.0308							
.094		-.0916								
.113	-.1680									
.150					-.1651	-.1328	.0000	-.0580		
.157									-.2002	
.163			.0755							
.177				-.0908						
.229		-.0587								
.246			-.0723							
.247	-.0824									
.250					-.2865	-.2841	-.2587	-.2380		
.274				-.2461						
.345									-.2337	
.362		.0065								
.390			-.2055							
.400					-.3875	-.4159		-.4137		
.402				-.3271						
.418										-.1195
.429	-.0507									
.497		-.1532								
.503									-.3129	
.547	-.0659									
.550					-.4123	-.4553				
.565			-.3388							
.600								-.4642		
.637			-.3076							
.638	-.1984									
.650							-.4753			
.670									-.3924	
.700		-.2638				-.4574				
.725				-.3510						
.727	-.2331									
.730										-.3829
.750						-.4255	-.3691			
.760			-.1597							
.775				-.4123	-.5226					

TABLE A - PRESSURE SOURCE DATA TABULATION

(RETR:4)

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

ALPHA0(4) = .023 BETA0 (2) = -4.121

SECTION 1 LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	-.1552									
.798			-.1243							
.808				-.2326						
.834		-.0450								
.839			-.1961							
.850					-.2636	-.3982	-.3893			
.857				-.1890						
.862									-.3788	
.865		-.2321								
.879			-.1857							
.900		-.1654			-.2317			-.2802		
.905				-.1962						
.919			-.1948							
.950					-.1806	-.3235	-.2661			
.953				-.1828						
.955			-.1983							
.965		-.1867								
1.000				-.4097		-.3419		-.3754		

ALPHA0(4) = .027 BETA0 (3) = -2.070

[illegible]

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0 (4) = .027 BETA0 (3) = -2.070

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.2850	-.2825	-.2624	-.2442			
.274				-.2473							
.345									-.2429		
.362		-.0044									
.390			-.2108								
.400					-.3847	-.4162		-.4162			
.402				-.3233							
.418										-.1824	
.429	-.0540										
.497		-.1659									
.503									-.3172		
.547	-.0793										
.550					-.4095	-.4550					
.565				-.3372							
.600								-.4664			
.637			-.3035								
.638	-.2141										
.650						-.4751					
.670								-.3912			
.700		-.2583				-.4460					
.725					-.2388						
.727	-.2284										
.730									-.4020		
.750							-.4142	-.3812			
.760				-.1287							
.775					-.3342	-.5124					
.793	-.0406										
.798			-.0960								
.808				-.2242							
.834		-.0215									
.839			-.2117								
.850					-.2648	-.2682	-.3774				
.857				-.1849							
.862									-.3723		
.865		-.2400									
.879			-.2016								
.900		-.1870			-.2298			-.2712			
.905				-.2007							
.919			-.2142								
.950					-.1647	-.2611	-.2701				
.953				-.1935							
.955			-.2202								
.965		-.2086									
1.000				-.4177		-.3146		-.3909			

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0(4) = .027 BETA0(4) = -.007

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2661	-.0702	-.1578	.2966	.5658	.5550	.5338	.5503	-.0698	
.010		-.1166	-.1395	.2820	.4098	.4882	.4734	.3842		
.020		-.1312	-.1126	.2086	.3300	.3679	.3632	.3370	-.0705	
.040			-.0949	.1213						
.041	-.2322									
.050		-.1404			.1421	.1672	.1666	.1631		
.069									-.1248	
.080					-.0003					
.081				.0136						
.086			-.0093							
.094		-.1714								
.113	-.2408									
.150					-.1663	-.1452	.0000	-.0809		
.157									-.2462	
.163			.0391							
.177				-.1015						
.229		-.0791								
.246			-.0936							
.247	+.1495									
.250					-.2925	-.2869	-.2692	-.2504		
.274				-.2443						
.345									-.2661	
.362		-.0240								
.390			-.2106							
.400					-.3764	-.4125		-.4224		
.402				-.3152						
.418									-.1610	
.429	-.0720									
.497		-.1766								
.503									-.3180	
.547	-.0928									
.550					-.3922	-.4405				
.565				-.3229						
.600								-.4699		
.637			-.2893							
.638	-.2155									
.650						-.4758				
.670								-.3894		
.700		-.2583				-.4218				
.725					-.1896					
.727	-.2234									
.730									-.3993	
.750							-.4020	-.3985		
.760				-.0907						
.775					-.3058	-.4380				

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ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHAO(4) = .027 BETA0 (4) = -.007

SECTION (1) LEFT WIND TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0519									
.798			-.0784							
.808				-.2266						
.834		-.0268								
.839			-.2390							
.850					-.2611	-.2061	-.3644			
.857				-.2130						
.862									-.3596	
.865		-.2662								
.879			-.2390							
.900		-.2250			-.2256			-.2647		
.905				-.2305						
.919			-.2475							
.950					-.1616	-.2030	-.2503			
.953				-.2255						
.955			-.2510							
.965		-.2421								
1.000				-.4353		-.3306		-.4040		

ALPHA0 (4) = .038 BETA0 (5) = 4.112

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0 (4) = .038 BETA0 (5) = 4.112

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.2503	-.2922	-.2826	-.2768		
.274				-.2043						
.345									-.3021	
.362		-.0139								
.390			-.1692							
.400					-.3238	-.3845		-.4309		
.402				-.2798						
.418									-.1997	
.429	-.0819									
.497		-.1549								
.503									-.3309	
.547	-.0788									
.550					-.3567	-.3975				
.565				-.2743						
.600								-.4651		
.637			-.1635							
.638	-.1926									
.650						-.4457				
.670								-.3814		
.700		-.1818				-.3515				
.725				-.1076						
.727	-.1944									
.730									-.4456	
.750						-.3374	-.3903			
.760				-.0350						
.775					-.2587	-.2969				
.793	.1288									
.798			-.0538							
.808				-.2275						
.834		-.0167								
.839			-.2439							
.850					-.2379	-.2173	-.2993			
.857				-.2356						
.862								-.3390		
.865		-.2690								
.879			-.2613							
.900		-.2352			-.2211			-.2306		
.905				-.2551						
.919			-.2590							
.950					-.1932	-.1673	-.0692			
.953				-.2407						
.955			-.2508							
.965		-.2455								
1.000				-.2988		-.3816		-.3954		

ORIGINAL PAGE IS
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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0 (4) = .051 BETA0 (6) = 6.174

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3564	-.2972	-.1637	.1971	.5207	.4650	.4196	.4182	-.0560	
.010		-.3140	-.1378	.1720	.3320	.3666	.3322	.2485		
.020		-.3061	-.1154	.1267	.2726	.2648	.2399	.2150	-.1192	
.040			-.1040	.0790						
.041	-.3656									
.050		-.2734			.1149	.0915	.0741	.0753		
.069									-.1681	
.080					-.0084					
.081				.0077						
.086			-.0599							
.094		-.2642								
.113	-.3189									
.150					-.1619	-.1553	.0000	-.1304		
.157									-.2805	
.163			.0373							
.177				-.0982						
.229		-.1116								
.246			-.0760							
.247	-.2365									
.250					-.2280	-.2810	-.2819	-.2796		
.274				-.1794						
.345									-.2947	
.362		-.0011								
.390			-.1621							
.400					-.3114	-.3633		-.4251		
.402				-.2637						
.418									-.2644	
.429	-.0812									
.497		-.1424								
.503									-.3281	
.547	-.0638									
.550					-.3387	-.3751				
.565				-.2491						
.600								-.4450		
.637			-.1293							
.638	-.1886									
.650						-.4238				
.672								-.3665		
.700		-.1592				-.2329				
.725				-.0518						
.727	-.1819									
.730									-.4493	
.750						-.3033	-.3531			
.760			-.0263							
.775				-.2395	-.2720					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0(4) = .051 BETA0 (6) = 6.174

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.793	.1384									
.798			-.0498							
.808				-.2287						
.834		-.0108								
.839			-.2432							
.850					-.2345	-.2106	-.2299			
.857				-.2408						
.862									-.3043	
.865		-.2678								
.879			-.2656							
.900		-.2352			-.2314			-.2048		
.905				-.2679						
.919			-.2653							
.950					-.2150	-.1221	.0183			
.953				-.2544						
.955			-.2505							
.965		-.2483								
1.000				-.2426		-.3705		-.3851		

ALPHA0(5) = 2.131 BETA0 (1) = -6.166

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.0150	.0046	-.0437	.4477	.7448	.7402	.7194	.7217	.2112	
.010		.0085	-.0563	.3706	.4498	.5519	.5238	.4107		
.020		-.0015	-.0500	.2506	.3517	.4001	.3895	.3494	.0317	
.040			-.0371	.1231						
.041	-.0951									
.050		-.0134			.1251	.1626	.1593	.1483		
.069									-.0339	
.080					-.0311					
.081				-.0212						
.086			.0162							
.094		-.0719								
.113	-.1551									
.150					-.2339	-.1906	.0000	-.1044		
.157									-.2113	
.163			.0557							
.177				-.1527						
.229		-.0810								
.246			-.1014							
.247	-.0643									

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA(5) = 2.131 BETA(1) = -6.166

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.3351	-.3430	-.3108	-.2692			
.274				-.2954							
.345									-.3202		
.362		.0003									
.390			-.2286								
.400					-.4350	-.4606		-.4343			
.402				-.3570							
.418										-.1940	
.429	-.0484										
.497		-.1539									
.503									-.4075		
.547	-.0515										
.550					-.4505	-.5009					
.565				-.3675							
.600								-.4820			
.637			-.3327								
.638	-.1980										
.650						-.4984					
.670									-.5050		
.700		-.2853				-.4966					
.725					-.4090						
.727	-.2428										
.730										-.5135	
.750							-.4545	-.3950			
.760				-.2592							
.775					-.4805	-.5574					
.793	-.2324										
.798		-.2093									
.808				-.3035							
.834		-.1247									
.839			-.2651								
.850					-.3580	-.4739	-.4083				
.857				-.2478							
.862									-.5607		
.865		-.2658									
.879			-.2244								
.900		-.1820			-.2766			-.3389			
.905				-.2371							
.919			-.2143								
.950					-.1998	-.4928	-.3170				
.953				-.2081							
.955			-.2001								
.965		-.1988									
1.000				-.3923		-.4099		-.4261			

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA(5) = 2.132 BETA(2) = -2.063

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1456	-.0501	-.1255	.3395	.6641	.6523	.6309	.6316	.1713	
.010		-.0956	-.1248	.2887	.3949	.4852	.4698	.3496		
.020		-.1154	-.1069	.1961	.3135	.3488	.3441	.2908	.0051	
.040			-.0920	.0913						
.041	-.1786									
.050		-.1160			.0999	.1289	.1339	.1024		
.069									-.0610	
.080					-.0465					
.081				-.0308						
.086			-.0292							
.094		-.1283								
.113	-.2487									
.150					-.2311	-.1992	.0000	-.1307		
.157									-.2260	
.163			.0392							
.177				-.1473						
.229		-.1030								
.246			-.1094							
.247	-.1343									
.250					-.3221	-.3427	-.3059	-.2924		
.274				-.2874						
.345									-.3187	
.362		-.0209								
.390			-.2381							
.400					-.4270	-.4536		-.4525		
.402				-.3568						
.418										-.2688
.429	-.0648									
.497		-.1838								
.503									-.4012	
.547	-.0864									
.550					-.4394	-.4912				
.565				-.3673						
.600								-.4933		
.637			-.3293							
.638	-.2320									
.650							-.4856			
.670									-.4890	
.700		-.2859				-.4874				
.725					-.3112					
.727	-.2515									
.730										-.5675
.750							-.4525	-.3978		
.760				-.1901						
.775					-.3888	-.5396				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0(5) = 2.148 BETA0 (4) = 6.175

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3424	-.3074	-.2311	.1914	.5094	.4961	.4678	.4519	-.0338	
.010		-.3336	-.1790	.1353	.2414	.3027	.2715	.1577		
.020		-.3199	-.1465	.0814	.1834	.1940	.1710	.1133	-.1514	
.040			-.1338	.0284						
.041	-.3391									
.050		-.2644			.0313	.0187	.0000	-.0354		
.069									-.1886	
.080					-.0812					
.081				-.0419						
.086			-.0723							
.094		-.2709								
.113	-.3476									
.150					-.2104	-.2429	.0000	-.2063		
.157									-.3099	
.163			.0162							
.177				-.1324						
.229		-.1072								
.246			-.0912							
.247	-.2494									
.250					-.2946	-.3445	-.3461	-.3383		
.274				-.4247						
.345									-.3679	
.362		-.0060								
.390			-.1904							
.400					-.3521	-.4298		-.4706		
.402				-.3000						
.418									-.4892	
.429	-.0678									
.497		-.1518								
.503									-.4269	
.547	-.0711									
.550					-.3767	-.4323				
.565				-.2916						
.600								-.4824		
.637			-.2431							
.638	-.1940									
.650							-.4708			
.670								-.4796		
.700		-.2318				-.3987				
.725				-.1374						
.727	-.2113									
.730									-.5971	
.750							-.3874	-.3933		
.760			-.0556							
.775				-.2639	-.3115					

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0(6) = 4.219 BETA0 (1) = -6.143

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3957	-.3925	-.3640	-.3357		
.274				-.3352						
.345									-.4159	
.362		-.0326								
.390			-.2645							
.400					-.4658	-.5046		-.4786		
.402				-.3863						
.418										-.3443
.429	-.0664									
.497		-.1867								
.503									-.4918	
.547	-.0746									
.550					-.4825	-.5394				
.565				-.3875						
.600								-.5165		
.637			-.3562							
.638	-.2262									
.650						-.5232				
.670								-.5795		
.700		-.3142				-.5220				
.725					-.4568					
.727	-.2701									
.730										-.6010
.750							-.4994	-.4433		
.760				-.2864						
.775					-.5048	-.5583				
.793	-.2573									
.798			-.2478							
.808				-.3377						
.834		-.1647								
.839			-.3180							
.850					-.4366	-.5347	-.4528			
.857				-.2904						
.862								-.6464		
.865		-.2880								
.879			-.2544							
.900	-.2050				-.3241			-.3993		
.905				-.2826						
.919			-.2358							
.950					-.2494	-.5872	-.3746			
.953				-.2522						
.955			-.2137							
.965	-.2190									
1.000				-.3882		-.4585		-.4636		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RE 1014)

ALPHA0(6) = 4.218 BETA0(2) = -4.089

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.0677	.0272	-.1016	.3743	.7293	.7305	.7364	.7006	.1069	
.010		-.0340	-.0991	.2648	.3590	.4562	.4306	.2577		
.020		-.0601	-.0817	.1445	.2634	.3070	.2892	.1863	-.1198	
.040			-.0647	.0322						
.041	-.1463									
.050		-.0720			.0424	.0764	.0705	.0141		
.069									-.1600	
.080					-.1067					
.081				-.0980						
.086			-.0442							
.094		-.1076								
.113	-.2233									
.150					-.3102	-.2569	.0000	-.2055		
.157									-.3034	
.163			-.0124							
.177				-.2109						
.229		-.1030								
.246			-.1514							
.247	-.0885									
.250					-.3861	-.3913	-.3656	-.3432		
.274				-.3325						
.345									-.4118	
.362		-.0369								
.390			-.2636							
.400					-.4636	-.5005		-.4810		
.402				-.3894						
.418									-.3819	
.429	-.0742									
.497		-.1917								
.503									-.4874	
.547	-.0836									
.550					-.4815	-.5337				
.565				-.3931						
.600								-.5185		
.637			-.3600							
.638	-.2422									
.650							-.5209			
.670								-.5778		
.700		-.3176				-.5210				
.725				-.4391						
.727	-.2745									
.730									-.6216	
.750							-.5002	-.4441		
.760			-.2558							
.775				-.4800	-.5582					

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OF POOR QUALITY

ARC11-019 1A8: LVAP(ELHL SEALED) LEFT WING TOP

(RETR:14)

ALPHA0(6) = 4.218 BETA0 (2) = -4.089

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	-.2401									
.798			-.2204							
.808				-.3297						
.834		-.1271								
.839			-.3052							
.850					-.3623	-.5241	-.4528			
.857				-.3012						
.862									-.6426	
.865		-.2756								
.879			-.2617							
.900		-.2192			-.3022			-.3994		
.905				-.2720						
.919			-.2333							
.950					-.2334	-.4915	-.3748			
.953				-.2395						
.955			-.2213							
.965		-.2289								
1.000			-.4010		-.4114		-.4744			

ALPHA0(6) = 4.218 BETA0 (3) = .008

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0 (6) = 4.218 BETA0 (3) = .008

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3735	-.4060	-.3824	-.3644		
.274				-.3180						
.345									-.4130	
.362		-.0411								
.390			-.2589							
.400					-.4566	-.5024		-.4941		
.402				-.3756						
.418										-.4698
.429	-.0844									
.497		-.1986								
.503									-.4827	
.547	-.0996									
.550					-.4572	-.5273				
.565				-.3777						
.600								-.5254		
.637			-.3446							
.638	-.2528									
.650						-.5190				
.670									-.5322	
.700		-.3057				-.5096				
.725					-.2879					
.727	-.2708									
.730										-.6563
.750							-.5042	-.4441		
.760				-.2082						
.775					-.3682	-.5500				
.793	-.0939									
.798			-.1631							
.808				-.2852						
.834		-.0671								
.839			-.2760							
.850					-.3109	-.3995	-.4673			
.857				-.2617						
.862									-.6531	
.865	-.2682									
.879		-.2539								
.900	-.2261				-.2966			-.3951		
.905				-.2476						
.919		-.2400								
.950					-.2520	-.3436	-.3604			
.953				-.2308						
.955		-.2381								
.965	-.2484									
1.000				-.3852		-.3765		-.4783		

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA(6) = 4.217 BETA(4) = 4.126

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.3241	-.2129	-.3300	.2504	.5683	.5605	.5443	.5071	-.0830		
.010		-.2759	-.2670	.1475	.1971	.2709	.2373	.1081			
.020		-.2702	-.1780	.0724	.1231	.1465	.1243	.0533	-.2266		
.040			-.1538	-.0075							
.041	-.2893										
.050		-.2196			-.0411	-.0361	-.0536	-.0924			
.069									-.2523		
.080					-.1520						
.081				-.1014							
.086			-.0872								
.094		-.2331									
.113	-.3408										
.150					-.2966	-.3028	.0000	-.2686			
.157									-.3607		
.163			-.0147								
.177				-.1808							
.229		-.1252									
.246			-.1279								
.247	-.2046										
.250					-.3544	-.4098	-.4011	-.3865			
.274				-.2874							
.345									-.4390		
.362		-.0334									
.390			-.2307								
.400					-.4139	-.4879		-.5053			
.402				-.3374							
.418										-.5466	
.429	-.0815										
.497		-.1831									
.503									-.4988		
.547	-.0910										
.550					-.4129	-.4985					
.565				-.3380							
.600								-.5286			
.637			-.3142								
.638	-.2275										
.650							-.5110				
.670								-.5362			
.700		-.2783				-.4690					
.725				-.2180							
.727	-.2443										
.730										-.6685	
.750							-.5011	-.4484			
.760			-.1351								
.775				-.3145	-.4517						

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1AB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETD14)

ALPHA(6) = 4.218 BETA(5) = 6.196

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3441	-.3995	-.4008	-.3917		
.274				-.2600						
.345									-.4491	
.362		-.0209								
.390			-.2110							
.400					-.3801	-.4703		-.5087		
.402				-.3197						
.418										-.5770
.429	-.0778									
.497		-.1673								
.503									-.5039	
.547	-.0735									
.550					-.3993	-.4699				
.565				-.3184						
.600								-.5143		
.637			-.3034							
.638	-.2106									
.650						-.4996				
.670									-.5342	
.700		-.2646				-.4377				
.725					-.2014					
.727	-.2328									
.730										-.6640
.750							-.4621	-.4484		
.760				-.1039						
.775					-.2813	-.3831				
.793	-.0095									
.798			-.0833							
.808				-.2257						
.834		-.0347								
.839			-.2378							
.850					-.2549	-.2583	-.3862			
.857				-.2362						
.862									-.5742	
.865		-.2674								
.879			-.2574							
.900		-.2155			-.2506			-.3691		
.905				-.2643						
.919			-.2574							
.950					-.2162	-.2028	-.2276			
.953				-.2543						
.955			-.2530							
.965		-.2506								
1.000				-.2371		-.2933		-.4832		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1633

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0 (7) = 6.327 BETA0 (1) = -4.066

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1074	.0103	-.1212	.3604	.7529	.7512	.7358	.6901	.0035	
.010		-.0684	-.1146	.2144	.2711	.3528	.3074	.1364		
.020		-.0882	-.1013	.0885	.1720	.1938	.1712	.0667	-.2573	
.040			-.0935	-.0350						
.041	-.1556									
.050		-.0873			-.0442	-.0249	-.0409	-.1005		
.069									-.2790	
.080					-.1843					
.081				-.1612						
.086			-.0780							
.094		-.0943								
.113	-.2270									
.150					-.3806	-.3336	.0000	-.2909		
.157									-.3920	
.163			-.0610							
.177				-.2833						
.229		-.1245								
.246			-.2067							
.247	-.0867									
.250					-.4662	-.4547	-.4285	-.4051		
.274				-.3579						
.345									-.5063	
.362		-.0833								
.390			-.2960							
.400					-.5090	-.5522		-.5219		
.402				-.4210						
.418									-.4758	
.429	-.0992									
.497		-.2197								
.503									-.5633	
.547	-.1142				-.5251	-.5790				
.550										
.565			-.4092							
.600								-.5525		
.637			-.3850							
.638	-.2581									
.650						-.5582				
.670									-.6630	
.700		-.3487				-.5612				
.725				-.4699						
.727	-.3002									
.730										-.6500
.750							-.5390	-.4915		
.760			-.2883							
.775				-.5099	-.5793					

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1635

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA(7) = 6.327 BETA(2) = -2.028

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.250					-.4605	-.4607	-.4383	-.4190		
.274				-.3598						
.345									-.5132	
.362		-.0705								
.390			-.3004							
.400					-.4965	-.5536		-.5310		
.402				-.4233						
.418										-.5135
.429	-.1105									
.497		-.2154								
.503									-.5600	
.547	-.1205									
.550					-.5113	-.5785				
.565				-.4118						
.600								-.5605		
.637			-.3888							
.638	-.2738									
.650							-.5611			
.670									-.6857	
.700		-.3415				-.5602				
.725					-.4580					
.727	-.2991									
.730										-.6697
.750							-.5468	-.4997		
.760				-.2762						
.775					-.4856	-.5804				
.793	-.2613									
.798			-.2392							
.808				-.3489						
.834		-.1193								
.839			-.3231							
.850					-.3731	-.5456	-.5130			
.857				-.3276						
.862									-.6826	
.865		-.2759								
.879			-.2969							
.906		-.2502			-.3142			-.4621		
.905				-.2995						
.919			-.2609							
.950				-.2398	-.4989	-.4280				
.953				-.2598						
.955			-.2407							
.965		-.2545								
1.000			-.3895		-.3939		-.4980			

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1636

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0 (7) = 6.325 BETA0 (3) = .021

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2210	-.1020	-.2438	.2689	.6314	.6512	.6364	.5768	-.0992	
.010		-.1762	-.2555	.1066	.1607	.2679	.2191	.0647		
.020		-.1780	-.2290	.0258	.0669	.1274	.0966	.0032	-.3078	
.040			-.2103	-.0643						
.041	-.2445									
.050		-.1423			-.1012	-.0739	-.0963	-.1475		
.069									-.3199	
.080					-.2109					
.081				-.1693						
.086			-.1395							
.094		-.1657								
.113	-.2512									
.150					-.3853	-.3510	.0000	-.3203		
.157									-.4173	
.163			-.0596							
.177				-.2715						
.229		-.1663								
.246			-.1873							
.247	-.1347									
.250					-.4574	-.4641	-.4475	-.4279		
.274				-.3650						
.345									-.5113	
.362		-.0608								
.390			-.2938							
.400					-.4940	-.5511		-.5368		
.402				-.4081						
.418									-.5438	
.429	-.1057									
.497		-.2121								
.503									-.5529	
.547	-.1097									
.550					-.5073	-.5734				
.565			-.4013							
.600								-.5638		
.637			-.3794							
.638	-.2741									
.650						-.5579				
.670									-.6932	
.700		-.3308				-.5542				
.725					-.3822					
.727	-.2936									
.730									-.6833	
.750							-.5470	-.5008		
.760			-.2567							
.775					-.4406	-.5759				

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(RETURN)

.247 - .1602

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1638

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA(7) = 6.323 BETA(4) = 2.091

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4399	-.4682	-.4507	-.4410		
.274				-.3600						
.345									-.5193	
.362		-.0613								
.390			-.2801							
.400					-.4880	-.5499		-.5456		
.402				-.3947						
.418										-.5728
.429	-.0989									
.497		-.2138								
.503									-.5512	
.547	-.1102									
.550					-.4864	-.5677				
.565				-.3823						
.600								-.5711		
.637			-.3590							
.638	-.2652									
.650							-.5504			
.670									-.7004	
.700		-.3225				-.5481				
.725				-.2838						
.727	-.2829									
.730										-.6940
.750							-.5461	-.5081		
.760			-.2204							
.775				-.3756	-.5606					
.793	-.0708									
.798		-.1750								
.808			-.3077							
.834		-.0662								
.839			-.3003							
.850					-.3285	-.3851	-.5170			
.857				-.2987						
.862									-.6911	
.865		-.2810								
.879			-.2934							
.900		-.2501			-.3160			-.4674		
.905			-.2816							
.919			-.2659							
.950					-.2676	-.3018	-.4263			
.953				-.2534						
.955			-.2536							
.965		-.2590								
1.000			-.2240			-.3482		-.5047		

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1639

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETI4)

ALPHA(7) = 6.316 BETA(5) = 4.148

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2817	-.2444	-.3963	.1658	.5064	.5566	.5426	.4833	-.2109	
.010		-.3103	-.3686	.0448	.0692	.1828	.1385	-.0095		
.020		-.2954	-.3168	-.0142	-.0009	.0527	.0306	-.0647	-.3707	
.040			-.2720	-.0849						
.041	-.2804									
.050		-.2274			-.1452	-.1276	-.1437	-.2004		
.069									-.3819	
.080					-.2428					
.081				-.1748						
.086			-.1114							
.094		-.2374								
.113	-.3030									
.150					-.3871	-.3739	.0000	-.3498		
.157									-.4529	
.163			-.0442							
.177				-.2439						
.229		-.1450								
.246			-.1650							
.247	-.1865									
.250					-.4163	-.4712	-.4587	-.4495		
.274				-.3264						
.345									-.5107	
.362		-.0382								
.390			-.2581							
.400					-.4548	-.5464		-.5488		
.402				-.3651						
.418									-.5959	
.429	-.0920									
.497		-.1931								
.503									-.5470	
.547	-.0950									
.550					-.4452	-.5480				
.565				-.3655						
.600								-.5662		
.637			-.3465							
.638	-.2463									
.650						-.5468				
.670									-.6899	
.700		-.3060				-.5247				
.725				-.2729						
.727	-.2698									
.730										
.750							-.5421	-.5038		-.7060
.760			-.1912							
.775					-.3664	-.5092				

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1640

ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING TOP

(RETU14)

ALPHA0 (7) = 6.316 BETA0 (5) = 4.148

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW											
.793	-.0383										
.798				-.1551							
.808					-.2883						
.834		-.0641									
.839			-.2907								
.850						-.3173	-.2631	-.5279			
.857					-.2610						
.862										-.6806	
.865		-.2825									
.879			-.2696								
.900		-.2300				-.2940			-.4603		
.905				-.2772							
.919			-.2642								
.950						-.2438	-.2258	-.3945			
.953				-.2628							
.955			-.2579								
.965		-.2557									
1.000				-.2015		-.2922		-.5053			

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1641

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15) (17 OCT 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

MACH = .900 RN/FT = 2.250
 ELV-1B = 8.000 ELV-0B = 6.000
 RUDDER = .000 SPDBRK = .000

ALPHA0 (1) = -6.170 BETA0 (1) = -4.069

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4461	.0278	.0858	.3080	.4326	.3185	.2597	.2702	-.5151	
.010		.0473	.1424	.4269	.5201	.5142	.4923	.3988		
.020		.0378	.1789	.3890	.4349	.4168	.4082	.3572	-.2805	
.040			.1932	.3009						
.041	-.1184									
.050		.0664			.2223	.2023	.2056	.1561		
.069									-.3639	
.080					.0425					
.081				.1593						
.086			.2522							
.094		.0636								
.113	-.0043									
.150					-.1603	-.2037	.0000	-.2081		
.157									-.4519	
.163			.2340							
.177				-.0886						
.229		.1401								
.246			.0047							
.247	.0512									
.250					-.3237	-.3707	-.4094	-.4862		
.274					-.2538					
.345									-.3710	
.362		.1141								
.390			-.2087							
.400					-.2412	-.3509		-.6118		
.402					-.2203					
.418									-.3148	
.429	.1322									
.497		-.1280								
.503									-.2773	
.547	-.0249									
.550					-.1894	-.3379				
.565					-.0727					
.600									-.2135	
.637			-.0271							
.638	-.1435									
.650										
.670						-.1149			-.5729	

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(RETURN)

DEPENDENT VARIABLE CP

X/CW

.700

.725

.727

.730

.750

.760

.775

.793

.798

308

.834

.839

.050

.857

. 062

.865

.879

.900

905

.919

.950
957

.953
0.66

955
065

1.965
1.000

DEPENDENT VARIABLE CP

X/CW

.000

010

.020

.040

+ 041

.050

.069

.080

081

086

094

. 113

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1643

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU151)

ALPHA(1) = -6.165 BETA(2) = -2.034

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.1275	-.1688	.0000	-.1902		
.157									-.4613	
.163			.2366							
.177				-.0609						
.229		.1356								
.246			.0231							
.247	.0534									
.250					-.2836	-.3186	-.3604	-.4625		
.274				-.2230						
.345									-.3929	
.362		.1208								
.390			-.1708							
.400					-.2233	-.3262		-.5848		
.402				-.2072						
.418										-.3520
.429	.1338									
.497		-.1149								
.503									-.4084	
.547	-.0137									
.550					-.1945	-.3425				
.565				-.0835						
.600								-.4659		
.637			-.0356							
.638	-.1307									
.650						-.2469				
.670								-.5274		
.700		-.0024				-.0833				
.725					-.1866					
.727	-.0085									
.730										
.750							-.7143	-.6569		-.4010
.760				-.2931						
.775					-.7712	-.7344				
.793	.0995									
.798			-.3551							
.808				-.7373						
.834		-.3101								
.839			-.7467							
.850					-.4671	-.3852	-.2300			
.857				-.4986						
.862									-.0091	
.865		-.7380								
.879			.0000							
.900		-.3799			-.1248			-.0048		
.905				-.1546						

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1645

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0 (1) = -6.129 BETA0 (3) = .031

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.550					-.2186	-.3575				
.565				-.1048						
.600								-.5050		
.637			-.0504							
.638	-.1256									
.650						-.3519				
.670									-.5039	
.700		-.0238			-.1282					
.725				-.2261						
.727	-.0253									
.730										
.750							-.7704	-.6993		-.4152
.760				-.3375						
.775					-.7941	-.7578				
.793	.0720									
.798			-.3916							
.808				-.7733						
.834		-.3425								
.839			-.8070							
.850					-.5628	-.4221	-.2667			
.857				-.5815						
.862									-.0275	
.866	-.7873									
.879		.0000								
.900	-.4187				-.1655			-.0341		
.905				-.1881						
.919			-.2177							
.950					-.0655	-.1092	.0014			
.953				-.0968						
.955			-.1466							
.965	-.2485									
1.000				-.0622		-.0186		.0824		

ALPHA0 (1) = -6.118 BETA0 (4) = 2.093

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5136	.0007	.0811	.2492	.2811	.1485	.0694	.0788	-.4394	
.010		.0121	.1088	.3511	.3986	.4229	.3967	.3304		
.020		.0057	.1361	.3292	.3760	.3649	.3550	.3009	-.3902	
.040			.1534	.2673						
.041	-.2005									

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 [A8] LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0(1) = -6.118 BETA0(4) = 2.093

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		.0379			.2066	.2031	.2037	.1496		
.069									-.4458	
.080					.0780					
.081				.1644						
.086			.2103							
.094		.0469								
.113	-.0884									
.150					-.0931	-.1274	.0000	-.1752		
.157									-.4882	
.163			.2200							
.177				-.0286						
.229		.1183								
.246			.0237							
.247	.0508									
.250					-.2357	-.2695	-.3185	-.4246		
.274				-.1798						
.345									-.4196	
.362		.1103								
.390			-.1402							
.400					-.2124	-.3127		-.5575		
.402				-.1866						
.418									-.3974	
.429	.1153									
.497		-.0945								
.503									-.4295	
.547	-.0069									
.550					-.2196	-.3582				
.565				-.1142						
.600								-.5202		
.637			-.0740							
.638	-.1142									
.650							-.4028			
.670								-.5448		
.700		-.0398				-.1572				
.725					-.2605					
.727	-.0399									
.730									-.4506	
.750							-.7916	-.7284		
.760				-.3597						
.775					-.8083	-.8148				
.793	.0474									
.798			-.4084							
.808				-.7888						
.834		-.3684								
.839			-.8157							

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1647

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0(1) = -6.118 BETA0(4) = 2.093

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.6406	-.4771	-.3337			
.857				-.6757						
.862									-.0304	
.865		-.8038								
.879			.0000							
.900		-.4288			-.2019			-.0649		
.905				-.2366						
.919			-.2485							
.950					-.1119	-.1341	-.0324			
.953				-.1359						
.955			-.1762							
.965		-.2897								
1.000				-.1105		-.0467		.0824		

ALPHA0(1) = -6.110 BETA0(5) = 4.138

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5296	-.0336	.0726	.2357	.2819	.1152	.0298	.0336	-.4505	
.010		-.0298	.0995	.3321	.4374	.3926	.3659	.2984		
.020		-.0219	.1242	.3159	.3818	.3389	.3261	.2735	-.4282	
.040			.1361	.2560						
.041	-.2306									
.050		.0277			.2221	.1962	.1862	.1364		
.059									-.4690	
.080					.0846					
.081				.1614						
.086			.1907							
.094		.0461								
.113	-.1689									
.150					-.0809	-.1194	.0000	-.1794		
.157									-.5033	
.163			.2095							
.177				-.0171						
.229		.1149								
.246			.0307							
.247	.0602									
.250					-.2086	-.2583	-.3089	-.4219		
.274				-.1622						
.345									-.4316	
.362		.1058								
.390			-.1223							

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING TOP

(RETV15)

ALPHA(2) = -4.082 BETA(1) = -6.131

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW											
.000	-.3842	.0454	.1368	.4054	.5456	.4748	.4352	.4299	-.3079		
.010		.0523	.1732	.4400	.4593	.4874	.4602	.3250			
.020		.0409	.1985	.3491	.3515	.3379	.3279	.2648	-.2107		
.040			.2109	.2227							
.041	-.2440										
.050		.0633			.0949	.0720	.0631	.0261			
.069									-.3323		
.080					-.1079						
.081				.0559							
.086			.2357								
.094		.0571									
.113	-.0286										
.150					-.3197	-.3674	.0000	-.3595			
.157									-.5849		
.163			.1725								
.177				-.2213							
.229		.1308									
.246			-.0778								
.247	.0386										
.250					-.4772	-.5597	-.6012	-.6137			
.274				-.3714							
.345									-.6164		
.362		.0715									
.390			-.3114								
.400					-.2956	-.4357		-.7741			
.402				-.3219							
.418										-.3223	
.429	.1157										
.497		-.2102									
.503									-.4661		
.547	-.0857										
.550					-.1921	-.3518					
.565				-.0793							
.600								-.1216			
.637			-.0247								
.638	-.2312										
.650							-.0950				
.670									-.6008		
.700		.0070				-.0314					
.725					-.1253						
.727	-.0165										
.730										-.5198	
.750							-.7366	-.6595			
.760				-.2301							
.775					-.7619	-.6776					

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1651

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0 (21) = -4.072 BETA0 (21) = -4.082

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.4291	-.5243	-.5575	-.5908			
.274				-.3420							
.345									-.5556		
.362		.0735									
.390			-.2882								
.400					-.2953	-.3990		-.7281			
.402				-.3008							
.418										-.3452	
.429	.1156										
.497		-.1986									
.503									-.5491		
.547	-.0725										
.550					-.2112	-.3716					
.565				-.0948							
.600								-.3954			
.637			-.0443								
.638	-.2164										
.650							-.1400				
.670									-.5703		
.700		-.0125				-.0517					
.725					-.1519						
.727	-.0279										
.730										-.4754	
.750							-.7091	-.6442			
.760				-.2671							
.775					-.7611	-.6995					
.793	.1020										
.798			-.3341								
.808				-.7173							
.834		-.2918									
.839			-.7089								
.850					-.2634	-.3101	-.0979				
.857				-.3140							
.862									-.0252		
.865		-.6853									
.879			.0000								
.900		-.3508			-.0681			.0461			
.905				-.1013							
.919			-.1404								
.950					.0141	-.0118	.0710				
.953				-.0224							
.955			-.0879								
.965		-.1887									
1.000				-.0020		.0526		.0963			

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TAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1652

ARC11-019 1AB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETI15)

ALPHA0 (2) = -4.058 BETA0 (3) = .016

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.4756	.0071	.0919	.3144	.4063	.3007	.2477	.2514	-.4294		
.010		.0078	.1213	.3683	.4213	.4274	.4005	.3015			
.020		.0002	.1465	.3084	.3377	.3186	.3054	.2555	-.3201		
.040			.1619	.2193							
.041	-.4851										
.050		.0287			.1284	.1074	.1001	.0526			
.069									-.4002		
.080					-.0368						
.081				.0880							
.086			.1987								
.094		.0275									
.113	-.0374										
.150					-.2184	-.2700	.0000	-.2974			
.157									-.5482		
.163			.1770								
.177				-.1414							
.229		.1031									
.246			-.0419								
.247	.0249										
.250					-.3688	-.4229	-.4643	-.5479			
.274				-.2939							
.345									-.4829		
.362		.0710									
.390			-.2373								
.400					-.2787	-.3815		-.6642			
.402				-.2639							
.418										-.3731	
.429	.0991										
.497		-.1738									
.503									-.5023		
.547	-.0648										
.550					-.2418	-.3959					
.565			-.1278								
.600								-.5612			
.637			-.0822								
.638	-.1858										
.650							-.4138				
.670								-.5695			
.700		-.0462				-.1524					
.725					-.2565						
.727	-.0530										
.730										-.5716	
.750							-.7616	-.6961			
.760			-.3542								
.775				-.8082	-.7684						

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1654

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0(2) = -4.039 BETA0 (4) = 4.120

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3133	-.3526	-.4124	-.5320		
.274				-.2405						
.345									-.4733	
.362		.0704								
.390			-.1904							
.400					-.2654	-.3736		-.6390		
.402				-.2401						
.418										-.3994
.429	.0879									
.497		-.1338								
.503									-.4976	
.547	-.0457									
.550					-.2680	-.4151				
.565					-.1603					
.600								-.5861		
.637			-.1237							
.638	-.1507									
.650							-.4859			
.670								-.6087		
.700		-.0864				-.2247				
.725					-.3239					
.727	-.0807									
.730									-.5620	
.750							-.8250	-.7534		
.760				-.4143						
.775					-.8440	-.8571				
.793	.0011									
.798		-.4622								
.808			-.8295							
.834		-.4107								
.839			-.8530							
.850					-.4692	-.4709	-.2452			
.857					-.5363					
.862								-.0229		
.865		-.8167								
.879			.0000							
.900		-.4432			-.2178			-.0599		
.905					-.2645					
.919			-.2745							
.950					-.1529	-.1595	-.0584			
.953					-.1829					
.955			-.2117							
.965		-.3028								
1.000				-.1877		-.0641		.0608		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETO15)

ALPHA(2) = -4.035 BETA(5) = 6.171

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CH											
.000	-.4592	-.0981	.0609	.2295	.3424	.1828	.1018	.0921	-.4643		
.010		-.0794	.0779	.2661	.3712	.3474	.3142	.2286			
.020		-.0729	.0973	.2451	.3021	.2676	.2507	.1924	-.4251		
.040			.1089	.1867							
.041	-.2789										
.050		-.0101			.0832	.0996	.0928	.0337			
.069									-.4928		
.080					-.0065						
.081				.0900							
.086			.1489								
.094		.0067									
.113	-.2359										
.150					-.1659	-.2147	.0000	-.2761			
.157									-.5545		
.163			.1555								
.177				-.0826							
.229		.0828									
.246			-.0221								
.247	.0297										
.250					-.2914	-.3362	-.3826	-.5113			
.274				-.2077							
.345									-.4688		
.362		.0598									
.390			-.1725								
.400					-.2623	-.3732		-.6196			
.402				-.2199							
.418										-.4087	
.429	.0808										
.497		-.1253									
.503									-.4870		
.547	-.0431										
.550					-.2778	-.4161					
.565				-.1755							
.600								-.5945			
.637			-.1493								
.638	-.1477										
.650						-.5089					
.670								-.5829			
.700		-.1111				-.2502					
.725					-.3541						
.727	-.1053										
.730										-.5328	
.750							-.8407	-.7720			
.760				-.4334							
.775					-.8657	-.8660					

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TAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 (AB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA(3) = -2.011 BETA(1) = -6.134

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5511	-.6462	-.6782	-.6955		
.274				-.4348						
.345									-.7782	
.362		.0301								
.390			-.3838							
.400					-.5508	-.7237		-.9464		
.402				-.5075						
.418									-.4197	
.429	.1032									
.497		-.2878								
.503								-.8810		
.547	-.1294									
.550					-.1976	-.3537				
.565				-.0894						
.600								-.6353		
.637			-.0419							
.638	-.3175									
.650						-.1403				
.670								-.5223		
.700		-.0261				-.0216				
.725					-.1115					
.727	-.0509									
.730									-.7772	
.750							-.7006	-.2055		
.760				-.2318						
.775					-.7501	-.6432				
.793	.1217									
.798			-.2956							
.808				-.6826						
.834		-.2635								
.839			-.6509							
.850					-.1271	-.1879	-.0048			
.857				-.1734						
.862								-.3019		
.865	-.6739									
.879		.0000								
.900	-.3072				.0055			.0391		
.905			-.0472							
.919		-.0864								
.950					.0729	.0498	.1105			
.953				.0155						
.955		-.0407								
.965	-.1250									
1.000				.0243		.0903		.0840		

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LABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 LABI LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA(3) = -2.000 BETA(2) = -2.052

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH											
.000	-.4390	.0101	.1150	.3845	.5229	.4561	.4249	.4080	-.2060		
.010		-.0020	.1349	.3765	.3759	.3879	.3522	.1914			
.020		-.0077	.1592	.2760	.2648	.2383	.2072	.1317	-.3015		
.040			.1715	.1616							
.041	-.5165										
.050		.0218			.0173	-.0207	-.0465	-.1058			
.069									-.4125		
.080					-.1720						
.081				.0005							
.086			.1868								
.094		.0161									
.113	-.0697										
.150					-.3623	-.4304	.0000	-.4545			
.157									-.6697		
.163			.1349								
.177				-.2642							
.229		.0906									
.246			-.1095								
.247	.0177										
.250					-.5017	-.6061	-.6562	-.6648			
.274				-.3739							
.345									-.7441		
.362		.0336									
.390			-.3260								
.400					-.3290	-.5194		-.8922			
.402				-.3966							
.418										-.4554	
.429	.0868										
.497		-.2540									
.503									-.7918		
.547	-.1192										
.550					-.2420	-.4153					
.565				-.1296							
.600								-.5367			
.637			-.0780								
.638	-.2817										
.650						-.3668					
.670								-.5087			
.700		-.0515				-.1261					
.725					-.2331						
.727	-.0712										
.730											
.750							-.7310	-.4682		-.9008	
.760				-.3266							
.775					-.7804	-.7189					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0 (3) = -2.000 BETA0 (2) = -2.052

SECTION (1) LEFT WING TOP			DEPENDENT VARIABLE CP							
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0657									
.798			-.3789							
.808				-.7584						
.834		-.3360								
.839			-.7619							
.850					-.2331	-.2980	-.0923			
.857				-.2797						
.862									-.0637	
.865		-.7346								
.879			.0000							
.900		-.3717			-.1001			.0381		
.905				-.1200						
.919			-.1489							
.950					-.0195	-.0123	.0677			
.953				-.0476						
.955			-.0938							
.965		-.2164								
1.000				-.0159		.0386		.0836		

ALPHA0 (3) = -1.985 BETA0 (3) = 2.064

SECTION (1) LEFT WING TOP			DEPENDENT VARIABLE CP							
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5055	-.0377	.0742	.3248	.4441	.3501	.3113	.3028	-.2938	
.010		-.0408	.0962	.3127	.3291	.3444	.3125	.1750		
.020		-.0415	.1186	.2332	.2358	.2135	.1920	.1231	-.3438	
.040			.1294	.1317						
.041	-.4846									
.050		-.0013			.0187	-.0123	-.0313	-.0903		
.069									-.4423	
.080					-.1464					
.081				.0038						
.086			.1545							
.094		.0055								
.113	-.0910									
.150					-.3080	-.3736	.0800	-.4190		
.157									-.6674	
.163			.1171							
.177				-.2177						
.229		.0798								
.246			-.0991							
.247	.0116									

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0 (3) = -1.985 BETA0 (3) = 2.064

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4437	-.5276	-.5765	-.6313		
.274				-.3460						
.345									-.6000	
.362		.0314								
.390			-.2871							
.400					-.3137	-.4305		-.7533		
.402				-.3252						
.418										-.4583
.429	.0720									
.497		-.2205								
.503									-.6075	
.547	-.1083									
.550					-.2738	-.4362				
.565				-.1590						
.600								-.6305		
.637			-.1157							
.638	-.2343									
.650							-.4940			
.670									-.6477	
.700		-.0854				-.2058				
.725					-.3107					
.727	-.0909									
.730										-.8841
.750							-.7824	-.7298		
.760				-.3926						
.775					-.8268	-.8278				
.793	.0143									
.798			-.4388							
.808				-.8121						
.834		-.3922								
.839			-.8206							
.850					-.3340	-.3960	-.1860			
.857				-.4191						
.862									-.0494	
.865	-.7849									
.879		.0000								
.900	-.4363				-.1787			-.0180		
.905				-.1880						
.919		-.2338								
.950					-.1219	-.1220	-.0091			
.953				-.1208						
.955		-.1717								
.965	-.2761									
1.000				-.0917		-.0354		.0680		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC(1-719 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA(3) = -1.973 BETA(4) = 6.153

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5345	-.1409	.0417	.2500	.4018	.2873	.2334	.2144	-.3556	
.010		-.1173	.0641	.2398	.3045	.2998	.2669	.1503		
.020		-.0898	.0834	.1862	.2204	.1846	.1675	.1018	-.3893	
.040			.0931	.1159						
.041	-.2691									
.050		-.0319			.0280	-.0085	-.0252	-.0815		
.069									-.4791	
.080					-.1166					
.081				.0146						
.086			.1162							
.094		-.0078								
.113	-.2217									
.150					-.2580	-.3255	.0000	-.3834		
.157									-.6360	
.163			.1019							
.177				-.1528						
.229		.0662								
.246			-.0702							
.247	.0150									
.250					-.3727	-.4490	-.4874	-.5968		
.274				-.2723						
.345									-.5319	
.362		.0263								
.390			-.2223							
.400					-.3084	-.4174		-.6941		
.402				-.2742						
.418										-.4689
.429	.0622									
.497		-.1851								
.503									-.5584	
.547	-.0853									
.550					-.2994	-.4492				
.565				-.1922						
.600								-.6199		
.637			-.1617							
.638	-.1946									
.650						-.5344				
.670								-.5259		
.700		-.1348			-.2697					
.725				-.3727						
.727	-.1256									
.730										-.8008
.750						-.8364	-.7559			
.760			-.4424							
.775					-.8650	-.8585				

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(RETU15)

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0(4) = .079 BETA0 (1) = -6.140

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.6672	-.8003	-.8709	-.8585		
.274				-.5659						
.345									-.8529	
.362		-.0189								
.390			-.4851							
.400					-.7024	-.8894		-.9331		
.402				-.6388						
.418										-.6380
.429	.0742									
.497		-.3861								
.503									-.7819	
.547	-.1379									
.550					-.2040	-.2450				
.565				-.1328						
.600								-.5857		
.637			-.0844							
.638	-.4225									
.650							-.2434			
.670								-.5257		
.700		-.0576				-.0697				
.725					-.1274					
.727	-.1110									
.730										-.9599
.750							-.4137	-.3684		
.760				-.2470						
.775					-.7979	-.6189				
.793	.0934									
.798			-.2974							
.808				-.6498						
.834		-.2627								
.839			-.5601							
.850					-.0669	-.1215	-.0509			
.857				-.1369						
.862									-.3499	
.865		-.6392								
.879			.0000							
.900		-.2389			.0151			-.1713		
.905			-.0334							
.919			-.0753							
.950					.0699	.0408	.0842			
.953				.0212						
.955			-.0285							
.965		-.0756								
1.000				.0295		.0845		-.0117		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0(4) = .084 BETA0 (2) = -4.099

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3782	.0060	.1182	.4233	.5876	.5515	.5250	.4746	-.1409	
.010		-.0238	.1267	.3364	.2586	.2741	.2100	-.0056		
.020		-.0322	.1458	.1987	.1308	.0848	.0316	-.0854	-.4337	
.040			.1574	.0594						
.041	-.3346									
.050		-.0005			-.1411	-.2079	-.2590	-.3374		
.069									-.5395	
.080					-.3385					
.081				-.1257						
.086			.1508							
.094		.0110								
.113	-.0836									
.150					-.5670	-.6669	.0000	-.6443		
.157									-.8035	
.163			.0625							
.177				-.4131						
.229		.0871								
.246			-.2066							
.247	-.0001									
.250					-.6231	-.7378	-.8282	-.8410		
.274				-.5283						
.345									-.9321	
.362		-.0080								
.390			-.4513							
.400					-.6627	-.8489		-.10274		
.402				-.5936						
.418									-.8726	
.429	.0640									
.497		-.3639								
.503									-.9130	
.547	-.1830									
.550					-.2402	-.3688				
.565				-.1597						
.600								-.7289		
.637			-.1090							
.638	-.3965									
.650						-.1861				
.670								-.7143		
.700		-.0788				-.0723				
.725				-.1595						
.727	-.1273									
.730									-.7191	
.750							-.5600	-.2746		
.760			-.2990							
.775				-.7901	-.6707					

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TABLE A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 (AB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA(4) = .084 BETA(2) = -4.099

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0598									
.798			-.3622							
.808				-.7172						
.834	-.3049									
.839			-.6165							
.850					-.1214	-.1414	-.0349			
.857				-.1589						
.862									-.5382	
.865	-.6630									
.879			.0000							
.900	-.2661				-.0186			-.0124		
.905				-.0545						
.919			-.1028							
.950					.0421	.0312	.0894			
.953				-.0036						
.955			-.0553							
.965	-.1260									
1.000				-.0202		.0783		.0460		

ALPHA(4) = .085 BETA(3) = -.004

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4458	-.0450	.0611	.3586	.5138	.4599	.4403	.4019	-.2183	
.010		-.0621	.0793	.2943	.2396	.2690	.2182	.0257		
.020		-.0621	.1053	.1788	.1273	.0999	.0603	-.0379	-.4164	
.040			.1185	.0599						
.041	-.4799									
.050		-.0191			-.1160	-.1624	-.2033	-.2710		
.069									-.5257	
.080					-.2971					
.081				-.0940						
.086			.1271							
.094		-.0070								
.113	-.0750									
.150					-.4550	-.5641	.0000	-.5885		
.157									-.7721	
.163			.0665							
.177				-.3733						
.229		.0667								
.246			-.1809							
.247	-.0065									

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA(4) = .085 BETA(3) = -.004

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5704	-.6840	-.7377	-.7653		
.274				-.4621						
.345									-.8763	
.362		-.0062								
.390			-.4098							
.400					-.4328	-.6977		-.9971		
.402				-.5139						
.418										-.6667
.429	.0577									
.497		-.3091								
.503									-.9133	
.547	-.1677									
.550					-.2760	-.4493				
.565				-.1763						
.600								-.7093		
.637			-.1251							
.638	-.3376									
.650						-.4313				
.670									-.6853	
.700		-.0906				-.1802				
.725					-.2926					
.727	-.1221									
.730										-.6975
.750						-.7649	-.3235			
.760				-.3843						
.775					-.8059	-.7799				
.793	.0257									
.798			-.4281							
.808				-.8012						
.834		-.3661								
.839			-.7869							
.850					-.2134	-.2708	-.0985			
.857				-.2830						
.862									-.4161	
.865		-.7522								
.879			.0000							
.900		-.3805			-.1324			.0097		
.905				-.1482						
.919			-.1761							
.950					-.0536	-.0518	.0588			
.953				-.0867						
.955			-.1151							
.965		-.2122								
1.000				-.0457		.0225		.0715		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1667

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0(4) = .097 BETA0(4) = 4.092

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5220	-.1270	.0166	.2693	.4518	.3903	.3576	.3243	-.2870	
.010		-.1159	.0446	.2133	.2166	.2290	.1785	.0020		
.020		-.1002	.0686	.1344	.1200	.0768	.0349	-.0612	-.4480	
.040			.0768	.0442						
.041	-.4479									
.050		-.0489			-.0991	-.1578	-.1941	-.2745		
.069									-.5435	
.080					-.2534					
.081				-.0855						
.086			.0919							
.094		-.0341								
.113	-.1445									
.150					-.4046	-.4964	.0000	-.5500		
.157									-.7725	
.163			.0484							
.177				-.2890						
.229		.0421								
.246			-.1486							
.247	-.0107									
.250					-.5162	-.6353	-.6975	-.7381		
.274				-.3913						
.345									-.7971	
.362		-.0183								
.390			-.3325							
.400					-.3560	-.4759		-.8599		
.402				-.3913						
.418									-.7110	
.429	.0387									
.497		-.2804								
.503									-.7728	
.547	-.1557									
.550					-.3028	-.4688				
.565			-.2000							
.600								-.6334		
.637			-.1642							
.638	-.2904									
.650						-.5311				
.670								-.6675		
.700		-.1424				-.2624				
.725					-.3609					
.727	-.1404									
.730									-.10769	
.750						-.7987	-.7369			
.760				-.4377						
.775					-.8548	-.8445				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETR15)

ALPHA0 (4) = .102 BETA0 (5) = 6.138

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.86	.9720	1.0000
X/CW										
.250										
.274										
.345										
.362										
.390										
.400										
.402										
.418										
.429										
.497										
.503										
.547										
.550										
.565										
.600										
.637										
.638										
.650										
.670										
.700										
.725										
.727										
.730										
.750										
.760										
.775										
.793										
.798										
.808										
.834										
.839										
.850										
.857										
.862										
.865										
.879										
.900										
.905										
.919										
.950										
.953										
.955										
.965										
1.000										

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA(5) = 2.176 BETA(1) = -6.134

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.3292	-.0033	.1022	.4387	.6298	.5965	.5663	.4763	-.2004		
.010		-.0539	.1011	.2829	.1398	.1710	.0618	-.2020			
.020		-.0600	.1139	.1164	.0126	-.0402	-.1197	-.2850	-.6042		
.040			.1294	-.0375							
.041	-.1680										
.050		-.0185			-.2733	-.3510	-.4154	-.5303			
.069									-.6701		
.080					-.4816						
.081				-.2446							
.086			.1107								
.094		-.0092									
.113	-.1136										
.150					-.6929	-.7864	.0000	-.7638			
.157									-.8358		
.163			-.0075								
.177				-.4841							
.229		.0698									
.246			-.2841								
.247	-.0006										
.250					-.7836	-.9544	-.9929	-.8708			
.274				-.6566							
.345									-.7238		
.362		-.0531									
.390			-.5676								
.400					-.8085	-1.0163		-.7920			
.402				-.7391							
.418										-.7694	
.429	.0588										
.497		-.4241									
.503									-.5688		
.547	-.2180										
.550					-.1292	-.3919					
.565				-.1458							
.600								-.6255			
.637			-.1150								
.638	-.5058										
.650							-.5043				
.670									-.4590		
.700		-.1111				-.2135					
.725					-.1292						
.727	-.1739										
.730										-.4877	
.750							-.4370	-.4850			
.760				-.2572							
.775					-.7927	-.5340					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETV15)

ALPHA0(5) = 2.176 BETA0 (1) = -6.134

SECTION (1) LEFT WING TOP			DEPENDENT VARIABLE CP							
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1063									
.798			-.2899							
.808				-.6072						
.834		-.2409								
.839			-.5540							
.850					-.0633	-.1330	-.2903			
.857				-.1515						
.862									-.4015	
.865		-.6451								
.879			.0000							
.900		-.2402			.0169			-.4001		
.905				-.0451						
.919			-.0762							
.950					.0727	-.0054	-.1496			
.953				.0164						
.955			-.0265							
.965		-.0787								
1.000				.0395		.0584		-.3314		

ALPHA0(5) = 2.181 BETA0 (2) = -2.059

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1672

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA(5) = 2.181 BETA(2) = -2.059

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.7035	-.8608	-.9497	-.9436		
.274				-.5981						
.345									-.8462	
.362		-.0455								
.390			-.5170							
.400					-.7401	-.9278		-.9799		
.402				-.6661						
.418										-.8877
.429	.0433									
.497		-.4066								
.503									-.6917	
.547	-.2137									
.550					-.2730	-.3917				
.565				-.1971						
.600								-.6798		
.637			-.1554							
.638	-.4662									
.650							-.4142			
.670									-.5425	
.700		-.1337				-.1395				
.725					-.1948					
.727	-.1790									
.730										-.5280
.750							-.4840	-.4675		
.760				-.3375						
.775					-.8013	-.7460				
.793	.0315									
.798			-.3973							
.808				-.7294						
.834		-.3509								
.839			-.6723							
.850					-.1702	-.1842	-.1215			
.857				-.2062						
.862									-.4757	
.865	-.7280									
.878		.0000								
.900	-.3162				-.0841			-.2987		
.905			-.1733							
.919		-.1259								
.950					-.0052	.0105	.0196			
.953				-.0969						
.955		-.0762								
.965	-.1574									
1.000				-.0464		.0560		-.2005		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0 (5) = 2.185 BETA0 (3) = 2.048

SECTION (1) LEFT WING TOP					DEPENDENT VARIABLE CP					
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4780	-.1355	-.0255	.3090	.4900	.4428	.4217	.3519	-.3498	
.010		-.1482	.0103	.2038	.1194	.1360	.0576	-.1798		
.020		-.1279	.0468	.0834	.0134	-.0420	-.1011	-.2528	-.6058	
.040			.0608	-.0302						
.041	-.5227									
.050		-.0616			-.2235	-.3097	-.3676	-.4753		
.069									-.6776	
.080					-.3948					
.081				-.1854						
.086			.0658							
.094		-.0466								
.113	-.1078									
.150					-.5849	-.6835	.0000	-.7402		
.157									-.9022	
.163			.0017							
.177				-.4179						
.229		.0324								
.246			-.2311							
.247	-.0280									
.250					-.6206	-.7479	-.8316	-.9026		
.274				-.5227						
.345									-1.0058	
.362		-.0512								
.390			-.4499							
.400					-.6082	-.8333		-1.0708		
.402				-.5570						
.418									-.9826	
.429	.0222									
.497		-.3763								
.503									-.9752	
.547	-.2129									
.550					-.2967	-.4622				
.565				-.2113						
.600								-.8510		
.637			-.1708							
.638	-.4031									
.650							-.4337			
.670									-.7862	
.700		-.1499				-.2423				
.725				-.3418						
.727	-.1753									
.730									-.7292	
.750						-.7659	-.3931			
.760				-.4255						
.775					-.8055	-.8459				

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(RETV15)

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-D19 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0(5) = 2.183 BETA0 (4) = 6.140

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5535	-.6950	-.7674	-.8291		
.274				-.4256						
.345									-.9370	
.362		-.0452								
.390			-.3510							
.400					-.4314	-.5738		-.9567		
.402				-.4036						
.418									-1.0319	
.429	.0250									
.497		-.2945								
.503									-.9643	
.547	-.1701									
.550					-.3450	-.4888				
.565				-.2378						
.600								-.6314		
.637			-.2067							
.639	-.3132									
.650							-.5570			
.670									-.8916	
.700		-.1813				-.3106				
.725					-.4028					
.727	-.1789									
.730									-.9380	
.750							-.8133	-.6747		
.760				-.4718						
.775					-.8853	-.8416				
.793	-.0544									
.798			-.5103							
.808				-.8379						
.834		-.4624								
.839			-.8155							
.850					-.2988	-.3296	-.2637			
.857				-.3445						
.862									-.4976	
.865		-.8394								
.879			.0000							
.900		-.4632			-.2247			-.0704		
.905				-.2354						
.919			-.2723							
.950					-.1642	-.1974	-.0224			
.953				-.1761						
.955			-.2252							
.965		-.3293								
1.000				-.1421		-.0973		.0441		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0(6) = 4.251 BETA0 (1) = -6.118

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3000	-.0386	.0540	.4233	.6282	.5883	.5419	.4188	-.3393	
.010		-.1072	.0537	.2158	.0298	.0520	-.0850	-.3760		
.020		-.1061	.0749	.0326	-.1482	-.1555	-.2605	-.4836	-.8112	
.040			.0861	-.1307						
.041	-.2289									
.050		-.0462			-.3878	-.4587	-.5544	-.6875		
.069									-.8036	
.080					-.5778					
.081				-.3427						
.086			.0683							
.094		-.0315								
.113	-.1289									
.150					-.7725	-.9272	.0000	-.8961		
.157									-.7353	
.163			-.0565							
.177				-.5553						
.229		.0617								
.246			-.3181							
.247	-.0136									
.250					-.9076	-1.0190	-.9096	-.8108		
.274				-.7042						
.345									-.5689	
.362		-.0696								
.390			-.6092							
.400					-.9031	-.9340		-.6787		
.402				-.8375						
.418									-.6021	
.429	.0485									
.497		-.4496								
.503									-.5408	
.547	-.2402									
.550					-.1884	-.6205				
.565				-.1323						
.600								-.5915		
.637			-.1628							
.638	-.5796									
.650						-.5843				
.670								-.4590		
.700		-.1666				-.4825				
.725				-.1609						
.727	-.2398									
.730									-.4572	
.750						-.5133	-.5207			
.760			-.2716							
.775				-.7864	-.4680					

TABLE - PRESSURE SOURCE DATA TABULATION

(RETV15)

ARC11-019 (A8) LVAP(ELHL SEALED) LEFT WING TOP

ALPHA0(6) = 4.251 BETA0 (1) = -6.118

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BH	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1239									
.798			-.2825							
.808				-.5778						
.834		-.2202								
.839			-.6075							
.850					-.1194	-.2243	-.4282			
.857				-.1915						
.862									-.4400	
.865		-.6862								
.879			.0000							
.900		-.3017			-.0328			-.4796		
.905				-.0855						
.919			-.0933							
.950					.0252	-.1180	-.3406			
.953				-.0133						
.955			-.0410							
.965		-.0889								
1.000				.0306		-.0193		-.4468		

ALPHA0(6) = 4.253 BETA0 (2) = -4.076

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1781A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A8: LVAP(ELHL SEALED) LEFT WING TOP

{RETURN}

ALPHA0(6) = 4.253 BETA0 (2) = -4.076

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5000	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250										
.274				-.6952	-.8615	-1.0162	-.9268	-.8261		
.345									-.6039	
.362		-.0748								
.390			-.5910							
.400					-.8878	-.9874		-.7285		
.402				-.7961						
.418										-.6228
.429	.0389									
.497		-.4528								
.503									-.5739	
.547	-.2395									
.550					-.1298	-.5839				
.565				-.1793						
.600								-.6142		
.637			-.1650							
.638	-.5646									
.650							-.5973			
.670									-.4937	
.700		-.1742				-.4450				
.725					-.1810					
.727	-.2326									
.730										-.4828
.750							-.5140	-.5344		
.760				-.2980						
.775					-.8043	-.6105				
.793	.0826									
.798			-.3183							
.808				-.6520						
.834		-.2708								
.839			-.6690							
.850					-.1878	-.2071	-.4291			
.857				-.2699						
.862									-.4644	
.865		-.7033								
.879			.0000							
.900		-.3139			-.0388			-.4930		
.905				-.0981						
.919			-.1211							
.950					.0266	-.0929	-.3270			
.953				-.0136						
.955			-.0577							
.965		-.1266								
1.000				.0205		.0086		-.4408		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1679

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETO15)

ALPHA0 (6) = 4.252 BETA0 (3) = .002

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4297	-.1437	-.0379	.3271	.5331	.4914	.4497	.3354	-.4566	
.010		-.1813	-.0083	.1748	.0415	.0515	-.0771	-.3565		
.020		-.1593	.0356	.0291	-.0688	-.1429	-.2446	-.4523	-.7974	
.040			.0483	-.0970						
.041	-.4737									
.050		-.0842			-.3352	-.4230	-.5152	-.6512		
.069									-.8257	
.080					-.5182					
.081				-.2806						
.086			.0487							
.094		-.0576								
.113	-.1323									
.150					-.7091	-.8163	.0000	-.8636		
.157									-.8647	
.163			-.0341							
.177				-.4878						
.229		.0335								
.246			-.2906							
.247	-.0337									
.250					-.7647	-.9526	-1.0183	-.9231		
.274				-.6374						
.345									-.6850	
.362		-.0716								
.390			-.5587							
.400					-.8200	-.9791		-.8886		
.402				-.7115						
.418									-.5388	
.429	.0247									
.497		-.4288								
.503									-.6540	
.547	-.2347									
.550					-.2507	-.4553				
.565			-.2345							
.600								-.6716		
.637			-.1928							
.638	-.5131									
.650						-.5967				
.670								-.5625		
.700		-.1840				-.2203				
.725				-.2387						
.727	-.2241									
.730									-.5206	
.750						-.5155	-.5326			
.760			-.3566							
.775				-.8072	-.8030					

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1(RTU15)

.247

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0(6) = 4.253 BETA0 (4) = 4.095

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.6988	-.8387	-.9658	-1.0003		
.274				-.5679						
.345									-.7987	
.362		-.0795								
.390			-.4845							
.400					-.6863	-.9175		-1.0227		
.402				-.5979						
.418									-.8114	
.429	.0091									
.497		-.3908								
.503									-.7478	
.547	-.2267									
.550					-.3361	-.4857				
.565				-.2459						
.600								-.6986		
.637			-.2190							
.638	-.4472									
.650							-.3846			
.670								-.6832		
.700		-.1964				-.2305				
.725					-.3955					
.727	-.2187									
.730									-.6575	
.750							-.6916	-.5219		
.760				-.4589						
.775					-.8465	-.8565				
.793	-.0391									
.798			-.4961							
.808				-.8308						
.834		-.4461								
.839			-.8299							
.850					-.2554	-.2789	-.2734			
.857				-.3157						
.862									-.6182	
.865		-.8370								
.879			.0000							
.900		-.4142			-.2017			-.3661		
.905				-.2528						
.919			-.2339							
.950					-.1460	-.1221	-.0414			
.953				-.1706						
.955			-.1774							
.965		-.2586								
1.000				-.1343		-.0318		-.1857		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0 (6) = 4.245 BETA0 (5) = 6.148

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5108	-.2530	-.0955	.1376	.4497	.3954	.3501	.2378	-.5728	
.010		-.2100	-.0336	.0347	.0179	.0070	-.1085	-.3779		
.020		-.1707	-.0065	-.0412	-.0801	-.1619	-.2594	-.4642	-.8028	
.040			-.0003	-.1166						
.041	-.4632									
.050		-.1075			-.2995	-.4138	-.4870	-.6326		
.069									-.8275	
.080					-.4751					
.081				-.2285						
.086			.0013							
.094		-.0740								
.113	-.2035									
.150					-.6048	-.7431	.0000	-.8260		
.157									-.9923	
.163			-.0572							
.177				-.4085						
.229		.0073								
.246			-.2306							
.247	-.0390									
.250					-.6455	-.7736	-.8622	-.9708		
.274				-.5133						
.345									-.9491	
.362		-.0698								
.390			-.4156							
.400					-.5354	-.8194		-1.0414		
.402				-.4780						
.418									-.9198	
.429	.0026									
.497		-.3393								
.503								-.8732		
.547	-.2100									
.550					-.3594	-.5059				
.565				-.2622						
.600								-.7550		
.637			-.2368							
.638	-.3726									
.650						-.4919				
.670								-.7704		
.700		-.2034				-.3124				
.725					-.4223					
.727	-.2187									
.730									-.7744	
.750							-.7537	-.5385		
.760				-.4856						
.775					-.8955	-.8051				

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TABLE - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETV15)

ALPHA0(7) = 5.304 BETA0 (1) = -4.072

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.9170	-1.0188	-.8784	-.8275		
.274				-.7254						
.345									-.6001	
.362		-.1006								
.390			-.6206							
.400					-.9121	-.9276		-.7326		
.402				-.8377						
.418										-.6165
.429	.0273									
.497		-.4862								
.503									-.5914	
.547	-.2551									
.550					-.1918	-.6271				
.565				-.1852						
.600								-.6191		
.637			-.1908							
.638	-.5955									
.650							-.6356			
.670									-.5147	
.700		-.1850				-.5183				
.725					-.2337					
.727	-.2337									
.730										-.4853
.750							-.5524	-.5686		
.760			-.3183							
.775					-.8313	-.5605				
.793	.0979									
.798			-.3200							
.808				-.6685						
.834		-.2829								
.839			-.7054							
.850					-.2344	-.3280	-.4771			
.857				-.3229						
.862									-.4927	
.865		-.7540								
.879			.0000							
.900		-.3523			-.0875			-.5330		
.905				-.1231						
.919			-.1425							
.950					-.0127	-.1803	-.3969			
.953				-.0419						
.955			-.0745							
.965		-.1401								
1.000				.0100		-.0587		-.4915		

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TABLE A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 LAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0 (7) = 5.305 BETA0 (2) = -2.036

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4013	-.1300	-.0216	.3601	.5700	.5171	.4679	.3364	-.4969	
.010		-.1843	-.0058	.1745	.0009	.0037	-.1409	-.4481		
.020		-.1664	.0315	.0085	-.1099	-.1956	-.3177	-.5467	-.8973	
.040			.0465	-.1346						
.041	-.4196									
.050		-.0893			-.3834	-.4783	-.5927	-.7437		
.069									-.8111	
.080					-.5666					
.081				-.3370						
.086			.0457							
.094		-.0707								
.113	-.1465									
.150					-.7482	-.9148	.0000	-.8811		
.157									-.7444	
.163			-.0551							
.177				-.5292						
.229		.0307								
.246			-.3078							
.247	-.0323									
.250					-.8605	-1.0247	-.8989	-.8512		
.274				-.6988						
.345									-.6346	
.362		-.0844								
.390			-.5847							
.400					-.8953	-.9732		-.7781		
.402				-.7891						
.418									-.6408	
.429	.0277									
.497		-.4617								
.503									-.6213	
.547	-.2458									
.550					-.1279	-.5641				
.565				-.2169						
.600								-.6355		
.637			-.1897							
.638	-.5786									
.650						-.6520				
.670								-.5463		
.700		-.1827				-.4818				
.725				-.2218						
.727	-.2447									
.730									-.5035	
.750						-.5528	-.5738			
.760				-.3196						
.775					-.8096	-.6935				

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(RETV15)

.247

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA(7) = 5.302 BETA(3) = .007

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.8251	-1.0130	-.9173	-.8618		
.274				-.6784						
.345									-.6556	
.362		-.0819								
.390			-.5852							
.400					-.8703	-.9997		-.8072		
.402				-.7573						
.418										-.6536
.429	.0174									
.497		-.4477								
.503									-.6331	
.547	-.2468									
.550					-.1770	-.5362				
.565				-.2350						
.600								-.6534		
.637			-.2066							
.638	-.5568									
.650						-.6696				
.670									-.5543	
.700		-.1892				-.3885				
.725					-.2535					
.727	-.2335									
.730										-.6186
.750							-.5438	-.5687		
.760				-.3479						
.775					-.8357	-.8037				
.793	.0386									
.798		-.3884								
.808				-.7216						
.834	-.3466									
.839		-.7492								
.850					-.2968	-.2904	-.4384			
.857				-.3479						
.862									-.5186	
.865	-.8176									
.879		.0000								
.900	-.3880				-.1314			-.4977		
.905				-.1611						
.919		-.1887								
.950					-.0511	-.1024	-.3107			
.953				-.0683						
.955		-.1153								
.965	-.2028									
1.000				-.0227		.0007		-.4258		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA(7) = 5.302 BETA(4) = 2.065

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.4484	-.2163	-.1233	.2672	.4939	.4543	.4000	.2682	-.5899		
.010		-.2330	-.0634	.1079	-.0237	-.0086	-.1512	-.4525			
.020		-.1942	-.0110	-.0268	-.1238	-.1892	-.3120	-.5496	-.9198		
.040			.0068	-.1428							
.041	-.5069										
.050		-.1064			-.3715	-.4685	-.5757	-.7325			
.069									-.8435		
.080					-.5519						
.081				-.3161							
.086			.0130								
.094		-.0696									
.113	-.1325										
.150					-.7292	-.8431	.0000	-.9421			
.157									-.8055		
.163			-.0631								
.177				-.5073							
.229		.0177									
.246			-.2958								
.247	-.0417										
.250					-.7766	-.9702	-1.0210	-.8912			
.274				-.6472							
.345									-.6902		
.362		-.0875									
.390			-.5598								
.400					-.8271	-.9751		-.8642			
.402				-.7065							
.418										-.6900	
.429	.0111										
.497		-.4338									
.503									-.6776		
.547	-.2413										
.550					-.2762	-.4413					
.565				-.2557							
.600								-.6585			
.637			-.2178								
.638	-.5177										
.650							-.6365				
.670									-.5886		
.700		-.1991				-.2526					
.725					-.2962						
.727	-.2394										
.730										-.5518	
.750							-.5176	-.5642			
.760			-.4028								
.775					-.8053	-.8534					

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(RE TU 15)

.246
247

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1690

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA0 (71) = 5.298 BETA0 (5) = 4.107

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.7384	-.9236	-1.0325	-1.0090		
.274				-.6004						
.345									-.7277	
.362		-.0898								
.390			-.5059							
.400					-.7433	-.9598		-.9820		
.402				-.6399						
.418										-.7387
.429	.0014									
.497		-.4074								
.503									-.7129	
.547	-.2410									
.550					-.3512	-.4365				
.565				-.2687						
.600								-.6835		
.637			-.2416							
.638	-.4791									
.650						-.5400				
.670								-.6651		
.700		-.2187				-.2005				
.725					-.3670					
.727	-.2459									
.730									-.6033	
.750							-.5461	-.5962		
.760				-.4549						
.775					-.8112	-.8621				
.793	-.0513									
.798		-.5009								
.808			-.8234							
.834		-.4427								
.839			-.8415							
.850					-.2459	-.2710	-.3259			
.857				-.3442						
.862									-.6063	
.865		-.8285								
.879			.0000							
.900		-.4074			-.1965			-.4371		
.905				-.2082						
.919			-.2404							
.950					-.1463	-.1225	-.1317			
.953				-.1429						
.955			-.1812							
.965		-.2666								
1.000				-.0931		-.0337		-.3268		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAPIELHL SEALED) LEFT WING TOP

(RETU16) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 2.250
 ELV-18 = 8.000 ELV-08 = 6.000
 RUDDER = .000 SPDBRK = .000

ALPHA0 (1) = -6.246 BETA0 (1) = -4.078

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2819	-.1206	-.0319	.4018	.5636	.4595	.4018	.4192	-.1316	
.010		-.1290	-.0026	.4940	.5953	.5820	.5656	.5109		
.020		-.1516	.0148	.4474	.5137	.4861	.4837	.4765	-.0622	
.040			.0305	.3633						
.041	-.2835									
.050		-.1121			.3084	.2863	.2959	.2979		
.069									-.1332	
.080					.1441					
.081				.2302						
.086			.2321							
.094		-.0677								
.113	-.1905									
.150					-.0756	-.0793	.0000	-.0292		
.157									-.2820	
.163			.2941							
.177				-.0074						
.229		-.0459								
.246			.0751							
.247	-.0885									
.250					-.2075	-.2549	.2643	-.2742		
.274				-.1670						
.345									-.3065	
.362		.1436								
.390			-.1337							
.400					-.3215	-.3952		-.4847		
.402				-.2833						
.418									-.1305	
.423	.0594									
.497		-.0877								
.503									-.3435	
.547	.0543									
.550					.1094	-.0057				
.565				.1749						
.600								-.2445		
.637			.2069							
.638	-.1344									
.650						-.0962				
.670									-.2073	

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ARC11-019 IAS1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(1) = -6.234 BETA(2) = -2.033

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.0442	-.0545	.0000	-.0101		
.157									-.2771	
.163			.2836							
.177				.0055						
.229		-.0467								
.246			.0751							
.247	-.0910									
.250					-.1778	-.2403	-.2241	-.2522		
.274				-.1398						
.345									-.2375	
.362		.1567								
.393			-.1190							
.400					.0027	-.0639		-.3874		
.402				-.2095						
.418									-.1477	
.429	.0736									
.497		-.0693								
.503									-.1819	
.547	.0639									
.550					.0970	-.0393				
.565			.1614							
.600								-.2431		
.637			.1901							
.638	-.0836									
.650						-.1494				
.670									-.3013	
.700		.2118				.1095				
.725					.0626					
.727	.2010									
.730									-.2429	
.750							-.3885	-.3591		
.760				-.0106						
.775					-.3581	-.4329				
.793	.3018									
.798			-.0543							
.808				-.3604						
.834		-.0200								
.839			-.3779							
.850					-.3577	-.3252	-.3445			
.857				-.3681						
.862									-.1118	
.865		-.4113								
.879			.0000							
.900		-.2859								
.905				-.3707			-.3779	-.1507		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAPIELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA0 (1) = -6.181 BETA0 (4) = 2.103

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.050		-.1714			.2843	.3092	.3191	.3234			
.069									-.1945		
.080					.1484						
.081				.2129							
.086			.1786								
.094		-.1307									
.113	-.3114										
.150					.0074	.0356	.0000	.0732			
.157									-.2269		
.163			.2521								
.177				.0190							
.229		-.0483									
.246			.0717								
.247	-.1397										
.250					-.1159	-.1326	-.0701	-.1542			
.274				-.0181							
.345									-.1682		
.362		.1415									
.390			-.0032								
.400					.0499	-.0182		-.2687			
.402				-.0329							
.418									-.1481		
.429	.0695										
.497		-.0168									
.503									-.1719		
.547	.0631										
.550					.0556	-.0583					
.565				.1432							
.600								-.2498			
.637			.1713								
.638	.0317										
.650							-.1698				
.670								-.3174			
.700		.1964				.0668					
.725					-.0013						
.727	.1826										
.730									-.2526		
.750							-.4268	-.4021			
.760				-.0521							
.775					-.4124	-.4440					
.793	.2839										
.798			-.0874								
.808				-.3935							
.834		-.0473									
.839			-.4183								

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TABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(1) = -6.181 BETA(4) = 2.103

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.4121	-.3529	-.4081			
.857				-.4117						
.862									-.1298	
.865		-.4510								
.879			.0000							
.900		-.3293			-.4355			-.2555		
.905				-.4280						
.919			-.3868							
.950					-.4081	-.3610	-.2821			
.953				-.3780						
.955			-.3648							
.965		-.3507								
1.000				-.2329	-.4451		-.4801			

ALPHA(1) = -6.169 BETA(5) = 4.159

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3623	-.3384	-.0038	.3065	.4127	.2799	.1987	.1946	-.2049	
.010		-.3363	.0257	.3618	.5038	.4809	.4640	.4452		
.020		-.3154	.0635	.3412	.4487	.4291	.4312	.4283	-.2076	
.040			.0851	.2984						
.041	-.4221									
.050		-.1905			.3073	.2952	.3131	.3226		
.069									-.2343	
.080					.1876					
.081				.2246						
.086			.1707							
.094		-.1621								
.113	-.3576									
.150					.0443	.0445	.0000	.0669		
.157									-.2474	
.163			.2431							
.177				.0790						
.229		-.0185								
.246			.1071							
.247	-.1621									
.250					-.0732	-.0874	-.0065	-.1549		
.274				-.0137						
.345									-.1840	
.362		.1501								
.390			.0017							

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1698

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA0(1) * -6.169 BETA0(5) = 4.159

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5240	.6730	.7800	.8870	.9720	1.0000
X/CW										
.400					.0517	-.0299		-.2576		
.402				-.0026						
.418										-.1595
.429	.0850									
.497		.0198								
.503									-.1776	
.547	.0878									
.550					.0460	-.0698				
.565				.1312						
.600								-.2657		
.637			.1590							
.638	.0452									
.650							-.1694			
.670									-.3101	
.700		.1806				.0405				
.725					-.0169					
.727	.1674									
.730										-.2539
.750							-.4388	-.4309		
.760				-.0737						
.775					-.4227	-.4655				
.793	.2779									
.798			-.1068							
.808				-.4057						
.834		-.0605								
.839			-.4344							
.850					-.4254	-.3837	-.4258			
.857				-.4235						
.862									-.1534	
.865		-.4635								
.879			.0000							
.900		-.3521			-.4438			-.2910		
.905				-.4484						
.919			-.3939							
.950					-.4277	-.3921	-.3254			
.953				-.3916						
.955			-.3798							
.965		-.3534								
1.000				-.2399		-.4020		-.4696		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

ALPHA(2) = -4.136 BETA(1) = -6.157

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7600	.8870	.9720	1.0000
X/CW										
.000	-.2289	-.0884	.0321	.4823	.6411	.5700	.5481	.5695	-.0440	
.010		-.1056	.0369	.5148	.5584	.5865	.5758	.4799		
.020		-.1338	.0376	.4286	.4581	.4561	.4585	.4274	-.0107	
.040			.0479	.3165						
.041	-.2276									
.050		-.1389			.2222	.2177	.2276	.2146		
.069									-.0984	
.080					.0519					
.081				.1477						
.086			.2390							
.094		-.0662								
.113	-.1251									
.150					-.1833	-.1945	.0000	-.1295		
.157									-.3089	
.163			.2561							
.177				-.0714						
.229		-.0261								
.246			-.0028							
.247	-.1147									
.250					-.3047	-.3424	-.3517	-.3641		
.274				-.2597						
.345									-.3896	
.362		.1352								
.390			-.2072							
.400					-.4305	-.5128		-.5735		
.402				-.3724						
.418									-.1042	
.429	.0814									
.497		-.1239								
.503									-.4706	
.547	.0094									
.550					.0446	-.4494				
.565				.0598						
.600								-.5590		
.637			.1232							
.638	-.1943									
.650						-.4683				
.670								-.7141		
.700		.1358			.1089					
.725				.0626						
.727	.0615									
.730										
.750						-.3403	-.4644		-.5512	
.760				.0249						
.775					-.3170	-.4050				

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1701

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(2) = -4.125 BETA(2) = -4.102

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.2946	-.3146	-.3116	-.3371		
.274				-.2368						
.345									-.3899	
.362		.1239								
.390			-.1913							
.400					-.4283	-.4875		-.5727		
.402				-.3515						
.418										-.1332
.429	.0486									
.497		-.1094								
.503									-.4614	
.547	.0186									
.550					.0441	-.1076				
.565				.1042						
.600								-.5279		
.637			.1517							
.638	-.1876									
.650							-.1273			
.670									-.6774	
.700		.1557				.1057				
.725					.0438					
.727	.1105									
.730										-.5781
.750							-.3313	-.3300		
.760				-.0001						
.775					-.3582	-.4475				
.793	.2797									
.798			-.0411							
.808				-.3539						
.834		-.0063								
.839			-.3621							
.850					-.3579	-.2892	-.2594			
.857				-.3549						
.862									-.3589	
.865		-.3987								
.879			.0000							
.900	-.2797				-.3779			-.1285		
.905				-.3489						
.919			-.3395							
.950					-.2996	-.2987	-.0434			
.953				-.3176						
.955			-.3155							
.965		-.3122								
1.000				-.2131		-.3419		-.2264		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETOUR)

ALPHA(2) = -4.108 BETA(3) = .014

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2981	-.2233	-.0314	.3858	.5167	.4151	.3620	.3735	-.1281	
.010		-.2465	-.0037	.4211	.4936	.4880	.4669	.4079		
.020		-.2678	.0384	.3599	.4108	.3858	.3813	.3678	-.0992	
.040			.0661	.2748						
.041	-.3160									
.050		-.1852			.2190	.1885	.1919	.1981		
.069					.0836				-.1661	
.080				.1538						
.081										
.086			.1880							
.094		-.1201								
.113	-.2806									
.150					-.1211	-.1519	.0000	-.0897		
.157									-.3182	
.163			.2359							
.177				-.0392						
.229		-.0650								
.246			.0209							
.247	-.1367									
.250					-.2346	-.3006	-.3126	-.2988		
.274				-.1936						
.345									-.3252	
.362		.1273								
.390			-.1547							
.400					-.3182	-.4244		-.4890		
.402				-.2870						
.418										-.1533
.429	.0671									
.497		-.0910								
.503									-.3323	
.547	.0243									
.550					.0721	-.0341				
.565				.1218						
.600								-.1897		
.637			.1438							
.638	-.1485									
.650						-.1182				
.670								-.2538		
.700		.1654				.0927				
.725					.0320					
.727	.1514									
.730										-.4258
.750							-.3885	-.3321		
.760				-.0433						
.775					-.3765	-.4453				

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LABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1703

ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING TOP

(REU16)

ALPHA0(2) = -4.108 BETA0 (3) = .014

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.793	.2548								
	.798		-.0811							
	.808			-.3849						
	.834	-.0515								
	.839		-.3950							
	.850				-.3748	-.3445	-.3607			
	.857			-.3933						
	.862								-.1409	
	.865	-.4302								
	.879		.0000							
	.900	-.3093			-.3963			-.1234		
	.905			-.3943						
	.919		-.3662							
	.950				-.3503	-.3370	-.1766			
	.953			-.3550						
	.955		-.3419							
	.965	-.3323								
1.000			-.2284		-.4169		-.4224			

ALPHA0(2) = -4.082 BETA0 (4) = 4.132

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1704

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(2) = -4.082 BETA(4) = 4.132

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.1850	-.2313	-.2396	-.2751			
.274				-.1167							
.345									-.1818		
.362		.1253									
.390			-.0917								
.400					-.0397	-.0545		-.2700			
.402				-.1015							
.418									-.1319		
.429	.0970										
.497		-.0573									
.503									-.1967		
.547	.0408										
.550					.0206	-.0833					
.565				.0981							
.600								-.2968			
.637			.1258								
.638	-.0434										
.650						-.1922					
.670								-.3114			
.700		.1444				.0246					
.725					-.0327						
.727	.1281										
.730									-.2935		
.750							-.4448	-.4264			
.760				-.0859							
.775					-.4373	-.4760					
.793	.2360										
.798			-.1230								
.808				-.4168							
.834		-.0892									
.839			-.4410								
.850					-.4363	-.3956	-.4209				
.857				-.4303							
.862									-.1608		
.865		-.1768									
.879			.0000								
.900	-.3442				-.4567			-.2312			
.905				-.4467							
.919			-.3936								
.950				-.3928	-.4326	-.3953	-.3014				
.953											
.955			-.3719								
.965	-.3504										
1.000			-.2107		-.3607		-.4839				

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA0(2) = -4.074 BETA0 (5) = 6.189

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3677	-.4234	.0135	.2811	.4419	.3050	.2536	.2620	-.1707	
.010		-.4123	.0444	.2916	.4262	.4154	.4135	.3755		
.020		-.3805	.0774	.2703	.3647	.3402	.3572	.3495	-.1683	
.040			.0946	.2299						
.041	-.4640									
.050		-.2288			.2078	.1956	.2167	.2194		
.069									-.2030	
.080					.0919					
.081				.1624						
.086			.1547							
.094		-.1797								
.113	-.4082									
.150					-.0439	-.0383	.0000	-.0325		
.157									-.2529	
.163			.2011							
.177				.0087						
.229		.0190								
.246			.0561							
.247	-.1771									
.250					-.1287	-.1873	-.1769	-.2030		
.274				-.0864						
.315									-.1976	
.362		.1184								
.390			-.0669							
.400					-.0139	-.0509		-.2861		
.402				-.0655						
.418										-.1512
.429	.0969									
.497		-.0444								
.503									-.2007	
.547	.0412									
.550					.0258	-.0864				
.565				.0957						
.600								-.2770		
.637			.1211							
.638	-.0183									
.650							-.2037			
.670									-.3281	
.700		.1384				.0070				
.725				-.0399						
.727	.1219									
.730										-.2806
.750							-.4579	-.4391		
.760			-.0982							
.775				-.4334	-.4826					

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(RE TU 16)

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1707

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(3) = -2.033 BETA(1) = -6.165

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.3822	-.4410	-.4430	-.4347			
.274				-.3094							
.345									-.4876		
.362		.1019									
.390			-.2448								
.400					-.4824	-.5815		-.6439			
.402				-.4122							
.418										-.2073	
.429	.0553										
.497		-.1637									
.503									-.5908		
.547	-.0302										
.550					-.3459	-.5595					
.565				-.0378							
.600								-.6567			
.637			.0287								
.638	-.2321										
.650							-.6087				
.670									-.8564		
.700		.0263				-.0597					
.725					.0279						
.727	-.0951										
.730										-.7532	
.750							-.5943	-.7277			
.760				.0062							
.775					-.3629	-.3738					
.793	.2417										
.798			-.0272								
.808				-.3380							
.834		.0012									
.839			-.3487								
.850					-.3599	-.2914	-.2777				
.857				-.3238							
.862									-.9400		
.865		-.4009									
.879			.0000								
.900		-.2842			-.3572			-.3262			
.905				-.3474							
.919			-.3281								
.950					-.2553	-.2356	-.0616				
.953				-.3195							
.955			-.3199								
.965		-.3171									
1.000				-.1847		-.2777		-.2416			

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1708

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(3) = -2.021 BETA(2) = -2.073

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2436	-.1764	-.0542	.4512	.6108	.5419	.5201	.5436	-.0034	
.010		-.2054	-.0343	.4343	.4600	.4840	.4662	.3524		
.020		-.2320	.0048	.3423	.3598	.3470	.3412	.2994	-.0958	
.040			.0278	.2337						
.041	-.2456									
.050		-.1723			.1365	.1128	.1126	.0856		
.069									-.1818	
.080					-.0325					
.081				.0766						
.086			.1545							
.094		-.1515								
.113	-.2179									
.150					-.2341	-.2709	.0000	-.2238		
.157									-.3920	
.163			.2056							
.177				-.1055						
.229		-.0837								
.246			-.0305							
.247	-.1626									
.250					-.3363	-.3849	-.4180	-.4299		
.274				-.2683						
.345									-.4706	
.362		.1001								
.390			-.2121							
.400					-.4575	-.5396		-.6144		
.402				-.3836						
.418									-.2443	
.429	.0367									
.497		-.1356								
.503									-.5451	
.547	-.0017									
.550					-.0338	-.4252				
.565				.0304						
.600								-.5823		
.637			.0872							
.638	-.2064									
.650							-.4458			
.670								-.7704		
.700		.0869				.0323				
.725					.0030					
.727	.0276									
.730									-.7896	
.750							-.3308	-.4488		
.760				-.0730						
.775					-.3789	-.4695				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(3) = -2.004 BETA(3) = 2.061

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8675	.9720	1.0000
X/CW										
.250					-.2839	-.3372	-.3504	-.3737		
.274				-.2276						
.345									-.4231	
.362		.0995								
.390			-.1878							
.400					-.3479	-.4412		-.5663		
.402				-.3149						
.418										-.2408
.429	.0835									
.497		-.1165								
.503									-.4640	
.547	-.0077									
.550					.0168	-.0655				
.565				.0834						
.600								-.3592		
.637			.1083							
.638	-.1617									
.650						-.1724				
.670									-.3930	
.700		.1283				.0371				
.725				-.0244						
.727	.1028									
.730										-.7503
.750							-.4162	-.3250		
.760				-.0799						
.775					-.4267	-.4693				
.793	.2179									
.798			-.1199							
.808				-.4122						
.834		-.0843								
.839			-.4257							
.850					-.4264	-.3863	-.3977			
.857				-.4220						
.862									-.1786	
.865		-.4582								
.879			.0000							
.900		-.3256			-.4468			-.1449		
.905				-.4228						
.919			-.3888							
.950					-.4080	-.3737	-.2050			
.953				-.3805						
.955			-.3692							
.965		-.3443								
1.000				-.1965		-.3641		-.4839		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1711

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA0(3) = -1.987 BETA0(4) = 6.166

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3572	-.4050	.0025	.3018	.4782	.3780	.3436	.3744	-.1215	
.010		-.4186	.0463	.2764	.3621	.3644	.3476	.2937		
.020		-.4087	.0739	.2255	.2900	.2604	.2562	.2523	-.1594	
.040			.0894	.1701						
.041	-.4541									
.050		-.2608			.1223	.0837	.0850	.0960		
.069									-.2264	
.080					.0024					
.081				.0910						
.086			.1394							
.094		-.1834								
.113	-.4320									
.150					-.1471	-.1909	.0000	-.1654		
.157									-.3777	
.163			.1549							
.177				-.0550						
.229		.0419								
.246			.0139							
.247	-.1729									
.250					-.2398	-.3183	-.3195	-.3573		
.274				-.1709						
.345									-.2950	
.362		.0987								
.390			-.1454							
.400					-.1157	-.1253		-.4102		
.402				-.1868						
.418										-.2475
.429	.0962									
.497		-.0946								
.503									-.2172	
.547	.0119									
.550					.0124	-.0855				
.565				.0681						
.600								-.2932		
.637			.0853							
.638	-.1096									
.650							-.2073			
.670									-.3579	
.700		.1082				-.0023				
.725				-.0453						
.727	.0827									
.730										-.4437
.750							-.4539	-.4213		
.760			-.1094							
.775					-.4407	-.4906				

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1713

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(4) = .070 BETAO (1) = -6.166

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4723	-.5212	-.5233	-.5128		
.274				-.3937						
.345									-.5845	
.362		.0821								
.390			-.3046							
.400					-.5182	-.6583		-.7098		
.402				-.4594						
.418									-.3639	
.429	.0453									
.497		-.1942								
.503								-.6969		
.547	-.0620									
.550					-.4298	-.6478				
.565				-.1104						
.600								-.6980		
.637			-.0370							
.638	-.2587									
.650							-.6865			
.670									-.9429	
.700		-.0374				-.3703				
.725					.0033					
.727	-.2334									
.730										-.8867
.750							-.6413	-.6970		
.760				-.0237						
.775					-.4291	-.3838				
.793	.2153									
.798			-.0432							
.808				-.3458						
.834	-.0029									
.839			-.3613							
.850					-.3404	-.2691	-.4932			
.857				-.3350						
.862									-.9935	
.865	-.4004									
.879		.0000								
.900	-.2900				-.3642			-.4141		
.905				-.3665						
.919			-.3446							
.950					-.2470	-.2295	-.2979			
.953				-.3277						
.955			-.3417							
.965	-.3243									
1.000				-.1757		-.2433		-.3732		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1714

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA0(4) = .076 BETA0 (2) = -4.111

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2217	-.1347	-.0493	.5030	.6914	.6591	.6476	.6223	.0436	
.010		-.1697	-.0438	.4273	.4030	.4539	.4056	.2317		
.020		-.1930	-.0328	.3001	.2925	.2859	.2546	.1676	-.1718	
.040			-.0019	.1695						
.041	-.1930									
.050		-.1532			.0511	.0250	.0052	-.0510		
.069									-.2480	
.080					-.1377					
.081				.0005						
.086			.1261							
.094		-.1833								
.113	-.1505									
.150					-.3191	-.3491	.0000	-.3311		
.157									-.4596	
.163			.1642							
.177				-.1856						
.229		-.0807								
.246			-.0970							
.247	-.1762									
.250					-.4306	-.5073	-.5214	-.5161		
.274				-.3357						
.345									-.5870	
.362		.0744								
.390			-.2661							
.400					-.5253	-.6270		-.7082		
.402				-.4461						
.418										-.4038
.429	.0154									
.497		-.1671								
.503									-.6902	
.547	-.0385									
.550					-.4282	-.6056				
.565				-.0820						
.600								-.6991		
.637			-.0201							
.638	-.2483									
.650							-.6614			
.670									-.9289	
.700		-.0113				-.1227				
.725				-.0179						
.727	-.1461									
.730										-.9075
.750							-.6868	-.7119		
.760				-.0278						
.775					-.3797	-.3983				

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(RETURN)

.246

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IA81A - PRESSURE SOURCE DATA TABULATION

PAGE 1716

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

ALPHA0(4) = .084 BETA0 (3) = -.007

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.250						
.274						
.345						
.362						
.390	.0844					
.400						
.402						
.418						
.429	.0701					
.497						
.503						
.547						
.550						
.565						
.600						
.637						
.638						
.650						
.670						
.700						
.725						
.727						
.730						
.750						
.760						
.775						
.793						
.798						
.808						
.834						
.839						
.850						
.857						
.862						
.865						
.879						
.900						
.905						
.919						
.950						
.953						
.955						
.965						
1.000						

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA0(4) = .099 BETA0(4) = 4.099

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2960	-.3654	-.0538	.3474	.5566	.4880	.4720	.4692	-.0824	
.010		-.3945	.0189	.2854	.3281	.3452	.3139	.1836		
.020		-.3837	.0749	.2077	.2434	.2149	.1935	.1266	-.2184	
.040			.0893	.1407						
.041	-.3845									
.050		-.3100			.0471	.0011	-.0120	-.0560		
.069									-.2865	
.080					-.0885					
.081				.0336						
.086			1394							
.094		-.2173								
.113	-.3571									
.150					-.2550	-.3123	.0000	-.3078		
.157									-.4686	
.163			.1445							
.177				-.1160						
.229		.0232								
.246			-.0192							
.247	-.2040									
.250					-.3252	-.3870	-.4173	-.4805		
.274				-.2429						
.345									-.5139	
.362		.0964								
.390			-.1965							
.400					-.4115	-.5078		-.6333		
.402				-.3352						
.418									-.4840	
.429	.0979									
.497		-.1189								
.503									-.5824	
.547	-.0024									
.550					-.0293	-.1069				
.565				.0332						
.600								-.5551		
.637			.0598							
.638	-.1841									
.650						-.1594				
.670								-.6943		
.700		.0652				.0057				
.725				-.0537						
.727	.0344									
.730									-.9016	
.750							-.4019	-.4039		
.760			-.1106							
.775				-.4439	-.4897					

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(RETURN)

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1719

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(4) = .104 BETA(5) = 6.156

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.2973	-.3720	-.3945	-.4416		
.274				-.2159						
.345									-.4961	
.362		.0980								
.390			-.1792							
.400					-.3629	-.4657		-.5872		
.402				-.2876						
.418										-.4628
.429	.1114									
.497		-.1088								
.503									-.5305	
.547	.0015									
.550					-.0262	-.1005				
.565				.0325						
.600								-.4382		
.637			.0577							
.638	-.1659									
.650							-.1705			
.670									-.5771	
.700		.0685				-.0044				
.725					-.0680					
.727	.0360									
.730										-.8768
.750							-.4196	-.3301		
.760				-.1220						
.775					-.4560	-.4870				
.793	.1783									
.798		-.1607								
.808			-.4279							
.834		-.1241								
.839			-.4536							
.850					-.4429	-.3821	-.4220			
.857				-.4303						
.862									-.2259	
.865		-.4903								
.879			.0000							
.900		-.3397			-.4640			-.1893		
.905				-.4382						
.919			-.3904							
.950					-.4101	-.3757	-.2560			
.953				-.3919						
.955			-.3705							
.965		-.3448								
1.000				-.1747		-.2664		-.4465		

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETN16)

ALPHA(5) = 2.179 BETA(1) = -6.160

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2690	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2053	-.0845	-.0763	.5322	.7360	.7161	.7029	.6359	.5045	
.010		-.1328	-.0887	.3970	.3171	.3662	.2931	.0759		
.020		-.1091	-.0797	.2406	.2021	.1848	.1362	.0016	-.3042	
.040			-.0250	.0886						
.041	-.1874									
.050		-.1041			-.0528	-.0785	-.1161	-.2004		
.069									-.3588	
.080					-.2377					
.081				-.0762						
.086			.1115							
.094		-.1825								
.113	-.1000									
.150					-.4616	-.4877	.0000	-.4423		
.157									-.5511	
.163			.1132							
.177				-.2980						
.229		-.0766								
.246			-.1712							
.247	-.1574									
.250					-.5620	-.6214	-.6178	-.5946		
.274				-.4595						
.345									-.6928	
.362		.0585								
.390			-.3552							
.400					-.6179	-.7422		-.7686		
.402				-.5087						
.418										-.5503
.429	.0390									
.497		-.2337								
.503									-.7970	
.547	-.0859									
.550					-.5396	-.7300				
.565				-.1730						
.600								-.7368		
.637			-.1169							
.638	-.3039									
.650						-.7314				
.670								-.9489		
.700		-.1406				-.5869				
.725				-.0422						
.727	-.3028									
.730										-.9608
.750						-.6322	-.6642			
.760				-.0833						
.775					-.4456	-.4319				

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(RETURN)

DEPENDENT VARIABLE CP

DEPENDENT VARIABLE CP

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(5) = 2.183 BETA(2) = -2.076

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.4682	-.5579	-.5751	-.5739			
.274				-.3706							
.345									-.6760		
.362		.0706									
.390			-.2919								
.400					-.5458	-.6693		-.7548			
.402				-.4659							
.418										-.6046	
.429	.0347										
.497		-.1845									
.503									-.7745		
.547	-.0537										
.550					-.4977	-.6574					
.565				-.1523							
.600								-.7365			
.637			-.0827								
.638	-.2685										
.650						-.7190					
.670								-.9855			
.700		-.0865				-.2909					
.725					-.0674						
.727	-.2455										
.730										-.9905	
.750							-.7357	-.7605			
.760				-.0759							
.775					-.4081	-.4301					
.793	.1679										
.798			-.1018								
.808				-.3783							
.834		-.0632									
.839			-.4028								
.850					-.4188	-.3659	-.4613				
.857				-.3047							
.862									-.1.0006		
.865	-.4336										
.879		.0000									
.900	-.3258				-.4221			-.4778			
.905				-.4051							
.919			-.3853								
.950					-.3328	-.2689	-.1437				
.953				-.3878							
.955			-.3705								
.965	-.3488										
1.000				-.1669		-.2403		-.3904			

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1723

ARC11-D19 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA0 (5) = 2.194 BETA0 (3) = 2.052

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1892	-.2822	-.1714	.3544	.5776	.5573	.5511	.5103	-.1188	
.010		-.3279	-.0954	.2535	.2304	.2926	.2459	.0623		
.020		-.3282	-.0131	.1513	.1370	.1465	.1060	-.0081	-.3257	
.040			.0244	.0524						
.041	-.3171									
.050		-.3063			-.0671	-.0856	-.1169	-.1890		
.069									-.3784	
.080					-.2089					
.081				-.0775						
.086			.0977							
.094		-.2589								
.113	-.2962									
.150					-.3531	-.4025	.0000	-.4091		
.157									-.5539	
.163			.0925							
.177				-.2061						
.229		-.0454								
.246			-.1174							
.247	-.2380									
.250					-.4211	-.5221	-.5614	-.5781		
.274				-.3208						
.345									-.6660	
.362		.0573								
.390			-.2640							
.400					-.5016	-.6011		-.7418		
.402				-.4082						
.418									-.6640	
.429	.0765									
.497		-.1596								
.503									-.7554	
.547	-.0567									
.550					-.1230	-.5506				
.565				-.0566						
.600								-.7009		
.637			-.0152							
.638	-.2417									
.650							-.5903			
.670									-.9337	
.700		-.0010				-.0802				
.725				-.0838						
.727	-.0804									
.730										-.9475
.750							-.4315	-.6133		
.760			-.1079							
.775					-.4325	-.5177				

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(RETURN)

DEPENDENT VARIABLE CP

DEPENDENT VARIABLE CP

247

- .2961	- .4775	- .0607	.2384	.5226	.5000	.4750	.4358	- .1889
	- .4923	- .0091	.1597	.2181	.2646	.1972	.0300	
	- .4690	.0219	.1014	.1374	.1256	.0769	- .0358	- .3496
		.0331	.0409					
- .4064								
	- .3785			- .0370	- .0858	- .1245	- .1897	
								- .3945
				- .1728				
			- .0357					
		.0517						
	- .2458							
- .4094								
				- .3073	- .3898	.0000	- .4071	
								- .5501
		.0840						
			- .1541					
	.0461							
		- .0449						
- .2340								

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[ABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1725

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(5) = 2.199 BETA(4) = 6.158

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3569	-.4338	-.5089	-.5559		
.274				-.2591						
.345									-.6321	
.362		.0801								
.390			-.2149							
.400					-.4355	-.5454		-.6815		
.402				-.3465						
.418										-.7236
.429	.1045									
.497		-.1386								
.503									-.7023	
.547	-.0168									
.550					-.0733	-.1964				
.565				-.0259						
.600								-.6073		
.637			.0160							
.639	-.2090									
.650							-.1761			
.670									-.8241	
.700		.0160				-.0232				
.725					-.0854					
.727	-.0411									
.730										-.9610
.750							-.4141	-.5232		
.760				-.1386						
.775					-.4566	-.4954				
.793	.1713									
.798			-.1662							
.808				-.4400						
.834		-.1308								
.839			-.4582							
.850					-.4442	-.3645	-.3802			
.857				-.4397						
.862									-.8113	
.865		-.5007								
.879			.0000							
.900		-.3417			-.4653			-.2187		
.905				-.4433						
.919			-.3898							
.950					-.3790	-.3689	-.1945			
.953				-.3987						
.955			-.3648							
.965		-.3495								
1.000				-.1466		-.1972		-.4363		

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(6) = 4.246 BETA(1) = -6.141

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1849	-.0524	-.1306	.4949	.6872	.6973	.6755	.5821	-.1059	
.010		-.0794	-.0984	.3064	.1801	.2356	.1495	-.0708		
.020		-.1006	-.0521	.1383	.0415	.0597	-.0026	-.1633	-.4672	
.040			-.0037	-.0018						
.041	-.1818									
.050		-.1222			-.1664	-.1865	-.2442	-.3435		
.069									-.5032	
.080					-.3286					
.081				-.1924						
.086			.0382							
.094		-.1800								
.113	-.0946									
.150					-.5608	-.5765	.0000	-.5535		
.157									-.6558	
.163			.0615							
.177				-.3736						
.229		-.1091								
.246			-.2284							
.247	-.1229									
.250					-.6397	-.7036	-.6958	-.6771		
.274				-.5032						
.345									-.7332	
.362		.0466								
.390			-.4062							
.400					-.6902	-.8254		-.8283		
.402				-.5551						
.418										-.6909
.429	.0409									
.497		-.2641								
.503									-.7558	
.547	-.1145									
.550					-.6768	-.8000				
.565				-.3170						
.600								-.7881		
.637			-.2164							
.638	-.3450									
.650							-.7890			
.670									-.7343	
.700		-.3212				-.6231				
.725					-.1302					
.727	-.3862									
.730										-.7306
.750							-.6751	-.7193		
.760				-.1631						
.775					-.4116	-.4601				

ARC11-019 [AB] LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

ALPHA0(5) = 4.246 BETA0 (1) = -6.141

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1195									
.798			-.0854							
.808				-.3416						
.834		-.0172								
.839			-.3705							
.850					-.3493	-.2585	-.5946			
.857				-.3493						
.862									-.7235	
.865		-.4056								
.879			.0000							
.900		-.2962			-.3005			-.7098		
.905				-.3689						
.919			-.3513							
.950					-.1834	-.1882	-.5035			
.953				-.3026						
.955			-.3362							
.965		-.3117								
1.000				-.1266		-.1879		-.8676		

ALPHA0(6) = 4.252 BETA0 (2) = -4.091

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ARC11-019 1AB1 LVAP1ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(6) = 4.252 BETA(2) = -4.091

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5875	-.6854	-.6875	-.6768		
.274				-.4646						
.345									-.7620	
.362		.0348								
.390			-.3609							
.400					-.6474	-.7883		-.8247		
.402				-.5357						
.418										-.7408
.429	.0063									
.497		-.2342								
.503									-.7802	
.547	-.0907									
.550					-.6270	-.7826				
.565				-.2626						
.600								-.8041		
.637			-.2048							
.638	-.3318									
.650						-.7998				
.670								-.7694		
.700		-.2569				-.6709				
.725					-.1161					
.727	-.3761									
.730									-.7654	
.750							-.7321	-.7562		
.760				-.1483						
.775					-.4408	-.4787				
.793	.1331									
.798			-.1075							
.808				-.3651						
.834		-.0541								
.839			-.3980							
.850					-.3658	-.2970	-.6208			
.857				-.3678						
.862								-.7650		
.865		-.4365								
.879			.0000							
.900		-.3257			-.3809			-.7416		
.905				-.4001						
.919			-.3811							
.950					-.2426	-.2520	-.4692			
.953				-.3650						
.955			-.3695							
.965		-.3451								
1.000				-.1362		-.1540		-.6868		

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1729

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(6) = 4.259 BETA(3) = -.003

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1384	-.2114	-.2415	.3599	.5989	.5931	.5811	.4957	-.2209	
.010		-.2759	-.1895	.2210	.1459	.2108	.1361	-.0866		
.020		-.2857	-.1169	.0940	.0497	.0487	-.0058	-.1696	-.4907	
.040			-.0701	-.0200						
.041	-.2628									
.050		-.2705			-.1550	-.1837	-.2272	-.3361		
.069									-.5190	
.080					-.3063					
.081				-.1467						
.086			.0531							
.094		-.2854								
.113	-.2506									
.150					-.4616	-.5456	.0000	-.5370		
.157									-.6544	
.163			.0672							
.177				-.2866						
.229		-.1043								
.246			-.1802							
.247	-.2526									
.250					-.5329	-.6355	-.6518	-.6605		
.274				-.4137						
.345									-.7725	
.362		.0443								
.390			-.3378							
.400					-.5932	-.7295		-.8056		
.402				-.4970						
.418									-.8071	
.429	.0623									
.497		-.2298								
.503									-.8504	
.547	-.0941									
.550					-.4770	-.7146				
.565				-.1825						
.600								-.8128		
.637			-.1406							
.638	-.3178									
.650						-.7671				
.670								-.9014		
.700		-.1188				-.2277				
.725					-.1124					
.727	-.3033									
.730									-.8348	
.750						-.7982	-.8131			
.760				-.1157						
.775					-.4228	-.4620				

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1731

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA0(6) = 4.261 BETA0(4) = 4.109

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4433	-.5840	-.6219	-.6418		
.274				-.3236						
.345									-.7583	
.362		.0477								
.390			-.2586							
.400					-.5178	-.6341		-.7908		
.402				-.4159						
.418										-.8575
.429	.0904									
.497		-.1649								
.503									-.8253	
.547	-.0497									
.550					-.1903	-.5864				
.565				-.1012						
.600								-.7480		
.637			-.0624							
.638	-.2522									
.650						-.6514				
.670								-.8708		
.700		-.0522				-.1009				
.725					-.1154					
.727	-.1658									
.730										-.8689
.750							-.4672	-.7230		
.760				-.1439						
.775					-.4520	-.4961				
.793	.1475									
.798			-.1769							
.808				-.4290						
.834		-.1344								
.839			-.4647							
.850					-.4360	-.3991	-.3376			
.857				-.4357						
.862									-.8691	
.865		-.4954								
.879			.0000							
.900		-.3390			-.4644			-.4600		
.905				-.4466						
.919			-.3933							
.950					-.3357	-.3450	-.1852			
.953				-.3918						
.955			-.3652							
.965		-.3366								
1.000				-.1277		-.1641		-.5127		

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA0(6) = 4.259 BETA0(5) = 6.170

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2684	-.5116	-.0912	.1919	.4712	.4979	.4780	.4055	-.3329	
.010		-.5137	-.0435	.1067	.1103	.1690	.0844	-.1162		
.020		-.4988	-.0044	.0467	.0483	.0291	-.0413	-.1943	-.5132	
.040			.0025	-.0039						
.041	-.3785									
.050		-.4116			-.1352	-.1751	-.2414	-.3386		
.069									-.5267	
.080					-.2393					
.081				-.0888						
.086			.0306							
.094		-.2803								
.113	-.3981									
.150					-.3621	-.4546	.0000	-.4964		
.157									-.6429	
.163			.0269							
.177				-.2047						
.229		.0538								
.246			-.0923							
.247	-.2647									
.250					-.4096	-.5357	-.6054	-.6291		
.274				-.2906						
.346									-.7473	
.362		.0589								
.390			-.2550							
.400					-.4812	-.6081		-.7731		
.402				-.3799						
.418										-.8806
.429	.1036									
.497		-.1613								
.503									-.8148	
.547	-.0505									
.550					-.1456	-.4364				
.565			-.0864							
.600								-.7258		
.637			-.0270							
.638	-.2444									
.650							-.4026			
.670									-.9040	
.700		-.0219				-.0923				
.725				-.1085						
.727	-.1312									
.730										-.8927
.750							-.4278	-.5913		
.760			-.1524							
.775				-.4645	-.4901					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETI16)

ALPHA0(6) = 4.259 BETAO (5) = 6.170

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1573									
.798			-.1760							
.808				-.4486						
.834		-.1389								
.839			-.4682							
.850					-.4478	-.3539	-.3765			
.857					-.4419					
.862									-.8908	
.865		-.5086								
.879			.0000							
.900		-.3356			-.4652			-.4318		
.905				-.4661						
.919			-.3885							
.950					-.3159	-.3529	-.1646			
.953				-.4161						
.955			-.3686							
.965		-.3502								
1.000				-.1434		-.1247		-.4639		

ALPHA0(7) = 6.364 BETAO () = -4.074

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1820	-.0402	-.2094	.3935	.6382	.6618	.6358	.5154	-.2580	
.010		-.1365	-.2282	.1865	.0412	.1296	.0327	-.1995		
.020		-.1557	-.1834	.0289	-.0356	-.0419	-.1127	-.2856	-.6420	
.040			-.1235	-.0840						
.041	-.1476									
.050		-.1638			-.2699	-.2713	-.3436	-.4615		
.069									-.6481	
.080					-.3965					
.081				-.2600						
.086			-.0475							
.094		-.1847								
.113	-.1490									
.150					-.6024	-.6311	.0000	-.6394		
.157									-.7507	
.163			.0213							
.177				-.3857						
.229		-.1509								
.246			-.2402							
.247	-.1547									

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ARC11-019 1AB1 LVAPIELHL SEALED) LEFT WING TOP

(RETU15)

ALPHA(7) = 6.364 BETA(1) = -4.074

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.6514	-.7462	-.7472	-.7438		
.274				-.4976						
.345									-.7614	
.362		.0282								
.390			-.3888							
.400					-.6938	-.8521		-.8409		
.402				-.5601						
.418										-.7920
.429	.0131									
.497		-.2574								
.503									-.7749	
.547	-.1755									
.550					-.5801	-.8184				
.565				-.4237						
.600								-.8207		
.637			-.3220							
.638	-.3611									
.650						-.7883				
.670									-.7567	
.700		-.4237				-.7033				
.725				-.2311						
.727	-.4221									
.730										-.7366
.750							-.6857	-.7539		
.760				-.2133						
.775					-.3985	-.5434				
.793	.0909									
.798			-.1420							
.808				-.3719						
.834		-.0600								
.839			-.4042							
.850					-.3902	-.3135	-.5918			
.857				-.3625						
.862									-.7510	
.865		-.4372								
.879			.0000							
.900		-.3264			-.3465			-.7425		
.905				-.3833						
.919			-.3700							
.950					-.2384	-.2268	-.4926			
.953				-.3344						
.955			-.3460							
.965		-.3243								
1.000				-.1126		-.1792		-.7053		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1735

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(7) = 6.367 BETA(2) = -2.043

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.0877	-.1306	-.3369	.3498	.6142	.6163	.5850	.4696	-.3222	
.010		-.2198	-.2992	.1661	.0505	.1093	.0090	-.2316		
.020		-.2347	-.2151	.0234	-.0252	-.0529	-.1300	-.3085	-.6798	
.040			-.1630	-.0812						
.041	-.2218									
.050		-.2326			-.2390	-.2745	-.3510	-.4755		
.069									-.6787	
.080					-.3849					
.081				-.2504						
.086			-.0395							
.094		-.2532								
.113	-.1978									
.150					-.5841	-.6257	.0000	-.6431		
.157									-.7522	
.163			.0254							
.177				-.3662						
.229		-.1607								
.246			-.2203							
.247	-.2151									
.250					-.6275	-.7372	-.7478	-.7490		
.274				-.4870						
.345									-.7738	
.362		.0320								
.390			-.3822							
.400					-.6749	-.8298		-.8428		
.402				-.5553						
.418									-.7962	
.429	.0393									
.497		-.2604								
.503									-.7761	
.547	-.1117									
.550					-.6596	-.8142				
.565				-.3531						
.600								-.8249		
.637			-.2834							
.638	-.3684									
.650						-.8044				
.670								-.7529		
.700		-.3777				-.6388				
.725					-.2052					
.727	-.4170									
.730									-.7458	
.750							-.6952	-.7628		
.760				-.2067						
.775					-.4093	-.5294				

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TABLE - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

{RETV:6}

ALPHA0(7) = 6.367 BETA0 (2) = -2.043

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.793	.1210								
	.798		-.1613							
	.808			-.3992						
	.834	-.0776								
	.839		-.4368							
	.850				-.4047	-.2800	-.5790			
	.857			-.4022						
	.862								-.7529	
	.865	-.4625								
	.879		.0000							
	.900	-.3424			-.3729			-.7392		
	.905			-.4090						
	.919		-.3939							
	.950				-.2179	-.2235	-.4813			
	.953			-.3591						
	.955		-.3603							
	.965	-.3360								
1.000			-.1249		-.1370			-.7101		

ALPHA0(7) = 6.367 BETA0 (3) = .008

[illegible]

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(7) = 6.367 BETA(3) = .008

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.6096	-.7297	-.7405	-.7477		
.274				-.4678						
.345									-.8083	
.362		.0339								
.390			-.3730							
.400					-.6525	-.8008		-.8720		
.402				-.5291						
.418										-.8409
.429	.0692									
.497		-.2585								
.503									-.8212	
.547	-.1171									
.550					-.5828	-.8031				
.565				-.2996						
.600								-.8389		
.637			-.2519							
.638	-.3608									
.650						-.8350				
.670									-.8077	
.700		-.3367				-.5480				
.725					-.1926					
.727	-.3959									
.730										-.7951
.750							-.7445	-.7889		
.760				-.1679						
.775					-.4279	-.5033				
.793	.1475									
.798			-.1701							
.808				-.3984						
.834		-.0802								
.839			-.4579							
.850					-.4373	-.3463	-.6144			
.857				-.4142						
.862									-.8019	
.865		-.4670								
.879			.0000							
.900		-.3411			-.4319			-.7815		
.905				-.4831						
.919			-.4112							
.950					-.2538	-.2438	-.4787			
.953				-.4046						
.955			-.3747							
.965		-.3340								
*1.000				-.1416		-.1073		-.7266		

ARC11-019 [A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(7) = 6.364 BETA(4) = 2.073

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1619	-.3214	-.3895	.2427	.5274	.5452	.5216	.4133	-.3945	
.010		-.3807	-.2533	.0939	.0029	.0838	-.0076	-.2435		
.020		-.3726	-.1125	-.0191	-.0629	-.0678	-.1432	-.3143	-.6871	
.040			-.0703	-.0983						
.041	-.2886									
.050		-.3224			-.2519	-.2751	-.3470	-.4740		
.069									-.6905	
.080					-.3855					
.081				-.2260						
.086			.0135							
.094		-.3266								
.113	-.2923									
.150					-.5428	-.6076	.0000	-.6346		
.157									-.7779	
.163			.0124							
.177				-.3365						
.229		-.0539								
.246			-.1963							
.247	-.2829									
.250					-.5729	-.7115	-.7288	-.7426		
.274				-.4382						
.345									-.8164	
.362		.0242								
.390			-.3494							
.400					-.6053	-.7595		-.8639		
.402				-.5015						
.418									-.8475	
.429	.0803									
.497		-.2492								
.503									-.8296	
.547	-.1123									
.550					-.3441	-.7528				
.565				-.2108						
.600								-.8345		
.637			-.1678							
.638	-.3413									
.650							-.8216			
.670									-.8124	
.700		-.1649				-.2072				
.725				-.1833						
.727	-.3274									
.730										-.8026
.750							-.8608	-.7818		
.760			-.1569							
.775				-.4548	-.5070					

1A81A - PRESSURE SOURCE DATA TABULATION

(RTU16)

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

ALPHA0(7) = 6.364 BETA0 (4) = 2.073

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1592									
.798			-.1788							
.808				-.4230						
.834		-.1067								
.839			-.4670							
.850					-.4395	-.3926	-.4573			
.857				-.4416						
.862									-.8070	
.865		-.4847								
.879			.0000							
.900		-.3463			-.4612			-.7774		
.905				-.4516						
.919			-.4148							
.950					-.3197	-.2650	-.1748			
.953				-.4019						
.955			-.3845							
.965		-.3314								
1.000				-.0996		-.1325		-.6999		

ALPHA0(7) = 6.359 BETA0 (5) = 4.124

[illegible]

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU16)

ALPHA(7) = 6.359 BETA(5) = 4.124

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5181	-.6753	-.7177	-.7382		
.274				-.3624						
.345									-.8044	
.362		.0176								
.390			-.3043							
.400					-.5704	-.7176		-.8554		
.402				-.4561						
.418									-.8106	
.429	.0780									
.497		-.2077								
.503									-.8105	
.547	-.0810									
.550					-.2752	-.6851				
.565				-.1732						
.600								-.8182		
.637			-.1225							
.638	-.2940									
.650							-.8018			
.670									-.7852	
.700		-.0984				-.1620				
.725					-.1717					
.727	-.2511									
.730									-.7813	
.750							-.5709	-.7412		
.760				-.1786						
.775					-.4769	-.5035				
.793	.1243									
.798			-.2084							
.808				-.4527						
.834		-.1608								
.839			-.4900							
.850					-.4568	-.3753	-.3062			
.857				-.4487						
.862									-.7761	
.865		-.5164								
.879			.0000							
.900		-.3552			-.4752			-.7257		
.905				-.4690						
.919			-.4021							
.950					-.2501	-.2834	-.1558			
.953				-.3884						
.955			-.3725							
.965		-.3471								
1.000				-.1164		-.1337		-.6193		

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TAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .900 RN/FT = 2.250
 ELV-18 = 10.000 ELV-08 = 4.000
 RUDDER = .000 SPDBRK = .000

ALPHA(1) = -6.178 BETA(1) = -4.055

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4368	.0308	.0911	.3223	.4326	.3254	.2677	.2758	-.4957	
.010		.0530	.1446	.4375	.5270	.5180	.4957	.4059		
.020		.0442	.1834	.3983	.4440	.4228	.4161	.3631	-.2661	
.040			.1956	.3124						
.041	-.4272									
.050		.0690			.2315	.2122	.2163	.1671		
.069									-.3507	
.080					.0659					
.081				.1750						
.086			.2552							
.094		.0625								
.113	-.0100									
.150					-.1417	-.1673	.0000	-.1932		
.157									-.4458	
.163			.2370							
.177				-.0711						
.229		.1440								
.246			.0150							
.247	.0575									
.250					-.3032	-.3561	-.3950	-.4847		
.274				-.2210						
.345									-.3762	
.362		.1171								
.390			-.1949							
.400					-.2104	-.3336		-.5983		
.402				-.2006						
.418									-.3406	
.429	.1424									
.497		-.1305								
.503									-.3731	
.547	-.0162									
.550					-.1612	-.3279				
.565				-.0541						
.600								-.4501		
.637		-.0169								
.638	-.1393									
.650							-.2694			
.670									-.4686	

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA(1) = -6.167 BETA(2) = -2.018

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.1153	-.1469	.0000	-.1887		
.157									-.4584	
.163			.2320							
.177				-.0617						
.229		.1328								
.246			.0173							
.247	.0520									
.250					-.2754	-.3228	-.3662	-.4768		
.274				-.2075						
.345									-.3891	
.362		.1154								
.390			-.1764							
.400					-.2118	-.3201		-.5864		
.402				-.2037						
.418									-.3681	
.429	.1329									
.497		-.1192								
.503									-.3994	
.547	-.0119									
.550					-.1857	-.3421				
.565				-.0835						
.600								-.4910		
.637			-.0390							
.638	-.1265									
.650							-.3977			
.670									-.3964	
.700		-.0032				-.1989				
.725				-.1626						
.727	-.0070									
.730									-.3926	
.750							-.5536	-.4899		
.760				-.2075						
.775					-.8615	-.6103				
.793	.0999									
.798			-.2723							
.808				-.8730						
.834		-.2009								
.839			-.8941							
.850					-.3106	-.3655	-.1669			
.857				-.3571						
.862									-.0018	
.865		-.8523								
.879			-.3866							
.900		-.4370			-.1691			.0205		
.905				-.1851						

ARC11-019 1A8! LVAP(ELHL SEALED) LEFT WING TOP

(REU17)

ALPHAO(1) = -6.167 BETA0 (2) = -2.018

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.919			-.1943							
.950					-.0854	-.1955	.0342			
.953				-.1070						
.955			-.1373							
.965		-.2814								
1.000				-.0669		-.0320		.0549		

ALPHAO(1) = -6.142 BETA0 (3) = .046

[illegible]

ARC11-019 IAS1 LVAP(ELHL SEALED) LEFT WING TOP

(RETR:7)

ALPHA(1) = -6.130 BETA(4) = 2.104

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		.0379			.2253	.2060	.2043	.1515		
.069									-.4446	
.080					.0809					
.081				.1623						
.086			.2072							
.094		.0440								
.113	-.1060									
.150					-.0923	-.1105	.0000	-.1748		
.157									-.4861	
.163			.2200							
.177				-.0352						
.229		.1145								
.246			.0235							
.247	.0550									
.250					-.2384	-.2727	-.3139	-.4421		
.274				-.1691						
.345									-.4214	
.362		.1061								
.390			-.1427							
.400					-.2109	-.3063		-.5621		
.402				-.1859						
.418									-.4125	
.429	.1153									
.497		-.0971								
.503									-.4328	
.547	-.0087									
.550					-.2192	-.3589				
.565				-.1128						
.600								-.5263		
.637			-.0734							
.638	-.1113									
.650						-.4639				
.670								-.5531		
.700		-.0465				-.2811				
.725					-.2267					
.727	-.0377									
.730									-.4543	
.750							-.6361	-.5861		
.760				-.2654						
.775					-.8993	-.7036				
.793	.0505									
.798			-.3318							
.808				-.9084						
.834		-.2612								
.839			-.9329							

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1747

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0(1) = -6.130 BETA0 (4) = 2.104

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.3966	-.4223	-.3570			
.857				-.3940						
.862									-.0203	
.865		-.9083								
.879			-.4508							
.900		-.4847			-.2599			-.0198		
.905				-.2588						
.919			-.2737							
.950					-.1878	-.2910	-.0227			
.953				-.1955						
.955			-.2078							
.965		-.3348								
1.000				-.1483		-.1039		.0574		

ALPHA0(1) = -6.123 BETA0 (5) = 4.151

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5289	-.0524	.0718	.2381	.2800	.1192	.0442	.0348	-.4448	
.010		-.0357	.0977	.3319	.4340	.3932	.3706	.3017		
.020		-.0235	.1244	.3129	.3785	.3407	.3334	.2759	-.4198	
.040			.1364	.2536						
.041	-.2428									
.050		.0251			.2229	.1946	.1898	.1354		
.069									-.4645	
.080					.0863					
.081				.1579						
.086			.1917							
.094		.0518								
.113	-.2212									
.150					-.0820	-.1004	.0000	-.1780		
.157									-.4994	
.163			.2075							
.177				-.0226						
.229		.1223								
.246			.0320							
.247	.0570									
.250					-.2209	-.2510	-.3037	-.4377		
.274				-.1522						
.345									-.4309	
.362		.1071								
.390			-.1189							

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-013 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETI17)

ALPHA(1) = -6.123 BETA(5) = 4.151

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW .2350 .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.400										
.402										
.418										
.429	.1193									
.497										
.503										
.547	.0088									
.550										
.565										
.600										
.637										
.638										
.650										
.670										
.700										
.725										
.727										
.730										
.750										
.760										
.775										
.793										
.798										
.808										
.834										
.839										
.850										
.857										
.862										
.865										
.879										
.900										
.905										
.919										
.950										
.953										
.955										
.965										
1.000										

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TAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA(2) = -4.089 BETA(1) = -6.119

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.3939	.0464	.1444	.4089	.5484	.4724	.4342	.4339	-.2998	
.010		.0502	.1807	.4423	.4669	.4899	.4632	.3344		
.020		.0373	.2039	.3536	.3543	.3442	.3294	.2729	-.2004	
.040			.2143	.2315						
.041	-.2977									
.050		.0628			.1079	.0866	.0749	.0311		
.069									-.3226	
.080					-.0908					
.081				.0663						
.086			.2410							
.094		.0560								
.113	-.0394									
.150					-.3054	-.3297	.0000	-.3439		
.157									-.5772	
.163			.1826							
.177				-.2126						
.229		.1296								
.246			-.0654							
.247	.0384									
.250					-.4635	-.5473	-.5879	-.6100		
.274				-.3407						
.345									-.6106	
.362		.0690								
.390			-.2956							
.400					-.2892	-.4679		-.7763		
.402				-.3089						
.418									-.3111	
.429	.1155									
.497		-.2133								
.503									-.5882	
.547	-.0860									
.550					-.1831	-.3449				
.565			-.0697							
.600								-.1583		
.637			-.0175							
.638	-.2332									
.650							-.1275			
.670								-.4717		
.700		.0066				-.1052				
.725				-.1033						
.727	-.0154									
.730									-.4028	
.750							-.5562	-.4362		
.760			-.1588							
.775				-.8467	-.5774					

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(REU17)

.247 .0373

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0(2) = -4.079 BETA0(2) = -4.073

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.4300	-.5202	-.5573	-.6005			
.274				-.3238							
.345									-.5420		
.362		.0714									
.390			-.2860								
.400					-.2889	-.3987		-.7226			
.402				-.2999							
.418										-.3447	
.429	.1156										
.497		-.2011									
.503									-.5454		
.547	-.0740										
.550					-.2090	-.3701					
.565				-.0944							
.600								-.5305			
.637			-.0422								
.638	-.2157										
.650						-.3256					
.670								-.4382			
.700		-.0135				-.1480					
.725					-.1566						
.727	-.0269										
.730										-.3869	
.750							-.5407	-.4647			
.760				-.1962							
.775					-.8596	-.5987					
.793	.1038										
.798			-.2604								
.808				-.8554							
.834		-.1904									
.839			-.8753								
.850					-.2629	-.3507	-.0780				
.857				-.2836							
.862									-.0229		
.865		-.8214									
.879			-.3328								
.900		-.4136			-.1366			.0473			
.905				-.1415							
.919			-.1660								
.950					-.0574	-.1107	.0500				
.953				-.0633							
.955			-.1033								
.965		-.2401									
1.000				-.0338		.0032		.0763			

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(REU17)

ALPHA(2) = -4.065 BETA(3) = .030

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4732	.0075	.0954	.3133	.4067	.3001	.2510	.2487	-.4299	
.010		.0079	.1237	.3683	.4209	.4250	.4029	.3012		
.020		-.0005	.1503	.3088	.3381	.3180	.3117	.2563	-.3246	
.040			.1616	.2207						
.041	-.5304									
.050		.0293			.1276	.1082	.1030	.0588		
.069									-.3999	
.080					-.0356					
.081				.0877						
.086			.1999							
.094		.0329								
.113	-.0405									
.150					-.2162	-.2478	.0000	-.2930		
.157									-.5431	
.163			.1794							
.177				-.1364						
.229		.1062								
.246			-.0380							
.247	.0259									
.250					-.3621	-.4203	-.4575	-.5631		
.274				-.2739						
.345									-.4763	
.362		.0757								
.390			-.2345							
.400					-.2697	-.3723		-.6610		
.402				-.2606						
.418									-.3696	
.429	.0998									
.497		-.1691								
.503									-.4976	
.547	-.0653									
.550					-.2361	-.3925				
.565				-.1239						
.600								-.5616		
.637			-.0759							
.638	-.1873									
.650						-.4828				
.670								-.5798		
.700		-.0408				-.2820				
.725					-.2263					
.727	-.0497									
.730									-.5125	
.750						-.5930	-.5631			
.760			-.2614							
.775				-.8978	-.6887					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

ALPHA0(2) = -4.065 BETA0 (3) = .030

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0567									
.798			-.3210							
.808				-.9030						
.834		-.2443								
.839			-.9262							
.850					-.3198	-.4360	-.2024			
.857				-.3282						
.862									.0011	
.865		-.8782								
.879			-.3617							
.900		-.4639			-.2245			.0086		
.905				-.2308						
.919			-.2289							
.950					-.1656	-.1859	.0090			
.953				-.1703						
.955			-.1692							
.965		-.2799								
1.000				-.1317		-.0691		.0661		

ALPHA0(2) = -4.044 BETA0 (4) = 4.123

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5262	-.0520	.0702	.2683	.3547	.2211	.1550	.1495	-.4579	
.010		-.0470	.0909	.3093	.3828	.3623	.3415	.2475		
.020		-.0397	.1111	.2700	.3077	.2748	.2598	.2108	-.3967	
.040			.1224	.1975						
.041	-.2359									
.050		.0033			.1275	.0900	.0895	.0319		
.069									-.4667	
.080					-.0207					
.081				.0865						
.086			.1621							
.094		.0167								
.113	-.1814									
.150					-.1788	-.2214	.0000	-.2902		
.157									-.5459	
.163			.1613							
.177				-.1016						
.229		.0891								
.246			-.0302							
.247	.0290									

ORIGINAL PAGE IS
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ARC11-019 1AB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0 (2) = -4.044 BETA0 (4) = 4.123

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3217	-.3587	-.4123	-.5503		
.274				-.2264						
.345									-.4599	
.362		.0637								
.390			-.1918							
.400					-.2700	-.3710		-.6351		
.402				-.2378						
.418									-.3943	
.429	.0870									
.497		-.1439								
.503									-.4909	
.547	-.0508									
.550					-.2704	-.4138				
.565				-.1596						
.600								-.5855		
.637			-.1237							
.638	-.1587									
.650							-.5187			
.670								-.5955		
.700		-.0923				-.3491				
.725					-.2913					
.727	-.0873									
.730									-.5227	
.750							-.6737	-.6225		
.760				-.3225						
.775					-.9444	-.8193				
.793	-.0063									
.798			-.3822							
.808				-.9410						
.834		-.3052								
.839			-.9645							
.850					-.3731	-.4505	-.3330			
.857				-.3897						
.862									.0080	
.865		-.9139								
.879			-.4152							
.900		-.4688			-.2909			-.0220		
.905				-.2784						
.919			-.2808							
.950					-.2446	-.2313	-.0231			
.953				-.2260						
.955			-.2342							
.965		-.3375								
1.000				-.1908		-.1261		.0547		

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0 (2) = -4.041 BETA0 (5) = 6.175

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.4644	-.1155	.0633	.2388	.3464	.1897	.1073	.0979	-.4482	
.010		-.0904	.0822	.2699	.3748	.3483	.3167	.2319		
.020		-.0752	.1004	.2411	.3054	.2686	.2567	.1992	-.4097	
.040			.1085	.1841						
.041	-.2765									
.050		-.0185			.1336	.1050	.0904	.0378		
.069									-.4801	
.080					-.0061					
.081				.0895						
.086			.1496							
.094		.0130								
.113	-.2517									
.150					-.1546	-.1909	.0000	-.2779		
.157									-.5466	
.163			.1542							
.177				-.0795						
.229		.0877								
.246			-.0188							
.247	.0375									
.250					-.2828	-.3282	-.3789	-.5273		
.274				-.1938						
.345									-.4714	
.362		.0590								
.390			-.1631							
.400					-.2564	-.3621		-.6190		
.402				-.2181						
.418									-.4001	
.429	.0885									
.497		-.1222								
.503									-.4805	
.547	-.0329									
.550					-.2704	-.4125				
.565				-.1722						
.600								-.5821		
.637			-.1411							
.638	-.1346									
.650						-.5319				
.670									-.6018	
.700		-.1104				-.3732				
.725					-.3043					
.727	-.0950									
.730									-.5337	
.750							-.6962	-.6251		
.760			-.3458							
.775				-.9420	-.8178					

IA91A - PRESSURE SOURCE DATA TABULATION

ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING TOP

(RE TU: 7)

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

X/CW

.793 -.0261

.798

.808

.834

.839

.850

.857

.862

. 865

. 879

.900

.905

.919

.950

.953

• 955

.955
1.000

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

X/CW

.000

.010

.023

-040

.041

.050

.069

.000

180.

.086

.094

. 113

. 150

157

163

.177
730229
250

.246
31.3

.247

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETI17)

ALPHA0(3) = -2.003 BETA0 (1) = -6.127

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5730	-.6656	-.6948	-.7204		
.274				-.4372						
.345									-.7818	
.362		.0262								
.390			-.3952							
.400					-.5513	-.7161		-.8281		
.402				-.4895						
.418										-.4221
.429	.0923									
.497		-.2822								
.503									-.7646	
.547	-.1377									
.550					-.2157	-.3564				
.565				-.0965						
.600								-.4759		
.637			-.0522							
.638	-.3154									
.650							-.1692			
.670									-.3267	
.700		-.0227				-.1143				
.725					-.1112					
.727	-.0592									
.730										-.5778
.750							-.5385	-.1985		
.760				-.1760						
.775					-.8868	-.6599				
.793	.1088									
.798			-.2283							
.808				-.8413						
.834		-.1619								
.839			-.8388							
.850					-.1875	-.2114	-.0285			
.857				-.2250						
.862									-.1526	
.865		-.7944								
.879			-.2435							
.900		-.3188						-.0003		
.905				-.0835						
.919			-.1071							
.950					.0105	-.0011	.0814			
.953				-.0206						
.955			-.0579							
.965		-.1699								
1.000				.0076		.0477		.0712		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 175B

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETI17)

ALPHA(3) = -1.993 BETA(2) = -2.044

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4349	.0108	.1151	.3808	.5182	.4585	.4262	.4097	-.2073	
.010		.0001	.1376	.3751	.3751	.3891	.3464	.1925		
.020		-.0075	.1601	.2775	.2608	.2327	.2077	.1286	-.2994	
.040			.1713	.1616						
.041	-.5085									
.050		.0222			.0115	-.0229	-.0446	-.1012		
.069									-.4155	
.080					-.1726					
.081				.0020						
.086			.1872							
.094		.0248								
.113	-.0569									
.150					-.3647	-.4140	.0000	-.4494		
.157									-.6743	
.163			.1337							
.177				-.2614						
.229		.0986								
.246			-.1150							
.247	.0184									
.250					-.5032	-.6101	-.6561	-.6826		
.274				-.3678						
.345									-.7380	
.362		.0377								
.390			-.3241							
.400					-.3296	-.5342		-.8622		
.402				-.4005						
.418									-.4531	
.429	.0880									
.497		-.2452								
.503									-.7782	
.547	-.1197									
.550					-.2435	-.4136				
.565				-.1284						
.600								-.5757		
.637			-.0797							
.638	-.2794									
.650							-.4644			
.670									-.2956	
.700		-.0453				-.2518				
.725					-.2137					
.727	-.0714									
.730									-.8782	
.750							-.5718	-.2264		
.760				-.2450						
.775					-.8863	-.6811				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0(3) = -1.993 BETA0 (2) = -2.044

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW										
.793		.0671								
.798				-.3048						
.808					-.8831					
.834			-.2239							
.839				-.8885						
.850						-.2484	-.3075	-.0650		
.857					-.2572					
.862									-.0296	
.865			-.8221							
.879				-.2908						
.900			-.3979			-.1726			.0494	
.905					-.1715					
.919				-.1676						
.950						-.1163	-.0870	.0575		
.953					-.1105					
.955				-.1177						
.965			-.2441							
1.000					-.0802	-.0147			.0686	

ALPHA0(3) = -1.979 BETA0 (3) = 2.069

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW										
.000		-.5054	-.0419	.0732	.3259	.4433	.3517	.3124	.3059	-.2927
.010			-.0430	.0955	.3118	.3280	.3452	.3136	.1763	
.020			-.0438	.1182	.2360	.2284	.2093	.1904	.1213	-.3427
.040				.1279	.1374					
.041		-.5154								
.050			-.0051			.0062	-.0140	-.0267	-.0911	
.069										-.4457
.080						-.1467				
.081					.0046					
.086				.1513						
.094			.0040							
.113		-.0985								
.150						-.3114	-.3575	.0000	-.4177	
.157										-.6665
.163				.1163						
.177					-.2189					
.229			.0759							
.246				-.1009						
.247		.0102								

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA(3) = -1.979 BETA(3) = 2.069

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4371	-.5346	-.5768	-.6501		
.274				-.3293						
.345									-.5995	
.362		.0252								
.390			-.2878							
.400					-.3121	-.4355		-.7505		
.402				-.3308						
.419										-.4589
.429	.0706									
.497		-.2261								
.503									-.5968	
.547	-.1096									
.550					-.2713	-.4346				
.565				-.1591						
.600								-.6279		
.637			-.1180							
.638	-.2362									
.650						-.5325				
.670									-.5740	
.700		-.0863				-.3349				
.725					-.2762					
.727	-.0900									
.730										-.7456
.750							-.6226	-.6024		
.760				-.3046						
.775					-.9243	-.8442				
.793	.0178									
.798			-.3624							
.808				-.9240						
.834		-.2914								
.839			-.9103							
.850					-.3224	-.3849	-.2122			
.857				-.3263						
.862									-.0360	
.865	-.8770									
.879		-.3348								
.900	-.4443				-.2584			.0052		
.905				-.2459						
.919			-.2436							
.950					-.2201	-.1901	.0016			
.953				-.2005						
.955			-.2013							
.965	-.3156									
1.000				-.1710		-.0874		.0521		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1751

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA(3) = -1.967 BETA(4) = 6.153

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5277	-.1524	.0378	.2445	.3821	.2878	.2316	.2081	-.3627	
.010		-.1256	.0604	.2341	.2728	.2977	.2631	.1434		
.020		-.0930	.0807	.1814	.1781	.1826	.1624	.0963	-.3948	
.040			.0877	.1114						
.041	-.2702									
.050		-.0337			-.0284	-.0154	-.0299	-.0883		
.069									-.4851	
.080					-.1209					
.081				.0070						
.086			.1136							
.094		-.0085								
.113	-.2422									
.150					-.2617	-.3189	.0000	-.3904		
.157									-.6396	
.163			.0994							
.177				-.1654						
.229		.0637								
.246			-.0783							
.247	.0111									
.250					-.3813	-.4578	-.4962	-.6267		
.274				-.2694						
.345									-.5375	
.362		.0268								
.390			-.2280							
.400					-.3099	-.4255		-.7056		
.402				-.2770						
.418									-.4713	
.429	.0635									
.497		-.1776								
.503									-.5566	
.547	-.0842									
.550					-.3069	-.4532				
.565				-.1983						
.600								-.6206		
.637			-.1649							
.638	-.1922									
.650							-.5665			
.670								-.5038		
.700		-.1334				-.3998				
.723					-.3320					
.727	-.1233									
.730									-.6713	
.750							-.7010	-.6413		
.760				-.3695						
.775					-.9617	-.8461				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETOUR)

ALPHA(3) = -1.967 BETA(4) = 6.153

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW										
.793	-	.0398								
.798				-.4236						
.808					-.9392					
.834			-.3387							
.839				-.9365						
.850						-.3673	-.3891	-.2887		
.857					-.3634					
.862										-.0353
.865			-.8952							
.879				-.3983						
.900			-.4452			-.3130			-.0128	
.905					-.3674					
.919				-.3032						
.950						-.2576	-.2652	-.0170		
.953					-.3214					
.955				-.2638						
.965			-.3510							
1.000				-.2664		-.1481			.0511	

ALPHA(4) = .077 BETA(1) = -6.130

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW										
.000	-	.3533	.0246	.1407	.4552	.6322	.5948	.5713	.5182	-.1092
.010			-.0108	.1457	.3549	.2627	.2947	.2225	.0024	
.020			-.0223	.1627	.2072	.1294	.0999	.0421	-.0733	-.4184
.040				.1701	.0622					
.041	-	.2629								
.050			.0147			-.1451	-.2097	-.2525	-.3342	
.069										-.5198
.080						-.3640				
.081					-.1329					
.086				.1616						
.094			.0131							
.113	-	.0993								
.150						-.6054	-.6633	.0000	-.6462	
.157										-.7861
.163				.0629						
.177					-.4123					
.229			.0881							
.246				-.2085						
.247		.0105								

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETI17)

ALPHA0(4) = .077 BETA0(1) = -6.130

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.6650	-.7968	-.8603	-.8529		
.274				-.5429						
.345									-.7413	
.362		-.0156								
.390			-.4798							
.400					-.7020	-.8646		-.7909		
.402				-.6424						
.418										-.6356
.429	.0761									
.497		-.3848								
.503									-.7234	
.547	-.1802									
.550					-.1698	-.1836				
.565				-.1132						
.600								-.5417		
.637			-.0668							
.638	-.4235									
.650						-.4436				
.670								-.5470		
.700		-.0585				-.1371				
.725					-.0981					
.727	-.1043									
.730										-.7746
.750							-.3158	-.3874		
.760			-.1804							
.775					-.8713	-.6943				
.793	.1097									
.798		-.2230								
.808			-.8128							
.834		-.1512								
.839			-.8142							
.850					-.1833	-.2095	-.1480			
.857				-.2195						
.862								-.4058		
.865		-.7995								
.879			-.2547							
.900		-.3461			-.0627			-.2165		
.905				-.0866						
.919			-.1109							
.950					.0207	-.0324	-.0191			
.953				-.0107						
.955			-.0564							
.965		-.1726								
1.000				.0218		.0428		-.0651		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETI17)

ALPHA0(4) = .082 BETA0 (2) = -4.088

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3833	.0054	.1191	.4250	.5930	.5534	.5301	.4803	-.1441	
.010		-.0231	.1277	.3401	.2042	.2823	.2164	.0030		
.020		-.0326	.1478	.2001	.0860	.0933	.0449	-.0736	-.4255	
.040			.1560	.0651						
.041	-.3916									
.050		.0039			-.1866	-.2022	-.2454	-.3220		
.069									-.5325	
.080					-.3406					
.091				-.1164						
.086			.1529							
.094		.0064								
.113	-.0991									
.150					-.5778	-.6359	.0000	-.6389		
.157									-.7917	
.163			.0656							
.177				-.4025						
.229		.0831								
.246			-.2012							
.247	.0088									
.250					-.6266	-.7348	-.8235	-.8419		
.274				-.5094						
.345									-.8020	
.362		-.0100								
.390			-.4498							
.400					-.6844	-.8390		-.8400		
.402				-.5912						
.418									-.6645	
.429	.0742									
.497		-.3697								
.503									-.7704	
.547	-.1747									
.550					-.2326	-.3144				
.565				-.1480						
.600								-.5494		
.637			-.0969							
.638	-.4034									
.650						-.3942				
.670								-.5721		
.700		-.0768				-.1419				
.725				-.1416						
.727	-.1146									
.730										
.750							-.3198	-.3753		-.7395
.760				-.2172						
.775					-.8664	-.7241				

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0(4) = .082 BETA0 (2) = -4.088

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.793	.0753								
	.798		-.2706							
	.808			-.8469						
	.834	-.1939								
	.839		-.8415							
	.850				-.2167	-.2427	-.0974			
	.857			-.2313						
	.862								-.3901	
	.865	-.8085								
	.879		-.2737							
	.900	-.3781			-.1200				-.1685	
	.905			-.2441						
	.919		-.1384							
	.950				-.0399	-.0437	.0498			
	.953			-.1041						
	.955		-.0790							
	.965	-.1985								
1.000			-.0598		.0313			-.0276		

ALPHA0(4) = .083 BETA0 (3) = .004

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETO17)

ALPHA0(4) = .083 BETA0 (3) = .004

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.250					-.5699	-.6833	-.7293	-.7799		
.274				-.4438						
.345									-.8672	
.362		.0071								
.390			-.4053							
.400					-.4656	-.7150		-.9818		
.402				-.5214						
.418										-.6601
.429	.0761									
.497		-.2987								
.503									-.8817	
.547	-.1444									
.550					-.2714	-.4354				
.565				-.1657						
.600								-.7311		
.637			-.1205							
.638	-.3087									
.650							-.4986			
.670									-.5815	
.700		-.0761				-.3074				
.725					-.2642					
.727	-.0984									
.730										-.6137
.750							-.5920	-.2674		
.760				-.2928						
.775					-.9001	-.7776				
.793	.0489									
.798			-.3487							
.808				-.8444						
.834		-.2484								
.839			-.8249							
.850					-.2638	-.2899	-.0910			
.857				-.2738						
.862									-.3275	
.865	-.8267									
.879		-.2852								
.900	-.3536				-.2049			.0116		
.905			-.2123							
.919		-.2003								
.950					-.1599	-.1203	.0527			
.953			-.1708							
.955		-.1530								
.965	-.2332									
1.000			-.1381			-.0275		.0644		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA(4) = .096 BETA(4) = 4.096

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.5042	-.1224	.0161	.2704	.4530	.3880	.3571	.3238	-.2860	
.010		-.1014	.0433	.2115	.2077	.2289	.1780	.0021		
.020		-.0926	.0684	.1363	.1072	.0742	.0377	-.0600	-.4478	
.040			.0758	.0502						
.041	-.4260									
.050		-.0448			-.1714	-.1640	-.1887	-.2701		
.069									-.5418	
.080					-.2590					
.081				-.0814						
.086			.0905							
.094		-.0244								
.113	-.1432									
.150					-.4012	-.4801	.0000	-.5538		
.157									-.7667	
.163			.0491							
.177				-.2847						
.229		.0499								
.246			-.1458							
.247	-.0078									
.250					-.5209	-.6339	-.6944	-.7498		
.274				-.3685						
.345									-.7890	
.362		-.0095								
.390			-.3287							
.400					-.3533	-.4774		-.8463		
.402				-.3890						
.418										-.7078
.429	.0419									
.497		-.2643								
.503									-.7685	
.547	-.1526									
.550					-.3020	-.4601				
.565				-.1929						
.600								-.6088		
.637			-.1625							
.638	-.2874									
.650						-.5594				
.670								-.5726		
.700		-.1298				-.3881				
.725				-.3261						
.727	-.1342									
.730									-.8207	
.750							-.6544	-.6369		
.760			-.3545							
.775				-.9412	-.8524					

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(REU17)

ALPHA0(4) = .101 BETA0 (5) = 6.143

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4812	-.5870	-.6522	-.7358		
.274				-.3365						
.345									-.6912	
.362		-.0057								
.390			-.2911							
.400					-.3557	-.4763		-.7846		
.402				-.3323						
.418									-.6919	
.429	.0371									
.497		-.2294								
.503									-.6980	
.547	-.1328									
.550					-.3220	-.4769				
.565				-.2195						
.600								-.6696		
.637			-.1884							
.638	-.2537									
.650							-.5798			
.670								-.4847		
.700		-.1520				-.4218				
.725					-.3534					
.727	-.1508									
.730									-.9295	
.750							-.6882	-.6284		
.760			-.3911							
.775					-.9304	-.7563				
.793	-.0494									
.798			-.4369							
.808				-.7744						
.834		-.3398								
.839			-.8795							
.850					-.3496	-.3575	-.1817			
.857				-.3423						
.862									-.0587	
.865		-.9087								
.879			-.3619							
.900		-.4286			-.3072			.0059		
.905			-.2869							
.919			-.2869							
.950					-.2674	-.2644	-.0108			
.953				-.3143						
.955			-.2504							
.965		-.3359								
1.000				-.2831		-.1444		.0520		

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ARC11-019 1A81 LVAPIELHL SEALED) LEFT WING TOP

(RETIU17)

ALPHA(5) = 2.172 BETA(1) = -6.124

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3342	-.0076	.1049	.4475	.6441	.6019	.5691	.4806	-.1972	
.010		-.0523	.1025	.2894	.1430	.1710	.0736	-.1949		
.020		-.0603	.1219	.1272	.0134	-.0315	-.1161	-.2610	-.5913	
.040			.1309	-.0275						
.041	-.2304									
.050		-.0198			-.2807	-.3444	-.4091	-.5238		
.069									-.6675	
.080					-.4831					
.081				-.2395						
.086			.1130							
.094		-.0135								
.113	-.1249									
.150					-.6933	-.7529	.0000	-.7548		
.157									-.7486	
.163			.0016							
.177				-.4743						
.229		.0666								
.246			-.2782							
.247	-.0026									
.250					-.7856	-.9435	-.9705	-.7720		
.274				-.6308						
.345									-.6698	
.362		-.0506								
.390			-.5599							
.400					-.8113	-.9428		-.7186		
.402				-.7308						
.418										-.7276
.429	.0604									
.497		-.4218								
.503									-.5434	
.547	-.2161									
.550					-.1530	-.5809				
.565				-.1236						
.600								-.5882		
.637			-.1035							
.638	-.5087									
.650						-.4966				
.670									-.4371	
.700		-.1065				-.2252				
.725					-.1102					
.727	-.1661									
.730										-.4790
.750							-.4208	-.4697		
.760				-.2019						
.775					-.8877	-.6738				

PAGE 1771

(RETURN)

DEPENDENT VARIABLE CP

DEPENDENT VARIABLE CP

[illegible]

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1772

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0(5) = 2.177 BETA0 (2) = -2.050

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.7028	-.8564	-.9321	-.9304		
.274				-.5692						
.345									-.7905	
.362		-.0457								
.390			-.5127							
.400					-.7487	-.9089		-.8460		
.402				-.8625						
.418										-.8335
.429	.0488									
.497		-.4023								
.503									-.6447	
.547	-.2068									
.550					-.2538	-.3318				
.565				-.1849						
.600								-.6166		
.637			-.1463							
.638	-.4636									
.650						-.5269				
.670								-.4855		
.700		-.1316				-.1698				
.725					-.1642					
.727	-.1760									
.730									-.5185	
.750							-.3979	-.4560		
.760				-.2497						
.775					-.8793	-.7803				
.793	.0439									
.798			-.3098							
.808				-.8486						
.834		-.2317								
.839			-.8571							
.850					-.2508	-.2827	-.2304			
.857				-.2546						
.862								-.4065		
.865		-.8506								
.879			-.3148							
.900	-.4038				-.1672			-.3048		
.905				-.1580						
.919			-.1683							
.950					-.0946	-.0731	-.0818			
.953				-.0822						
.955			-.1072							
.965	-.2286									
1.000				-.0439		.0012		-.2022		

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1773

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETR17)

ALPHA0 (5) = 2.180 BETA0 (3) = 2.054

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4802	-.1383	-.0269	.3084	.5013	.4473	.4234	.3566	-.3463	
.010		-.1429	.0125	.2012	.1296	.1434	.0649	-.1684		
.020		-.1201	.0489	.0838	.0191	-.0344	-.0957	-.2424	-.6028	
.040			.0597	-.0268						
.041	-.5456									
.050		-.0627			-.2983	-.3032	-.3574	-.4652		
.069									-.6669	
.080					-.4040					
.081				.1921						
.086			.0720							
.094		-.0493								
.113	-.1211									
.150					-.5968	-.6619	.0000	-.7290		
.157									-.8923	
.163			.0079							
.177				-.4053						
.229		.0325								
.246			-.2243							
.247	-.0175									
.250					-.6295	-.7400	-.8199	-.9018		
.274				-.5117						
.345									-.8908	
.362		-.0523								
.390			-.4514							
.400					-.6322	-.8264		-.9591		
.402				-.5564						
.418									-.9190	
.429	.0327									
.497		-.3793								
.503									-.7170	
.547	-.2010									
.550					-.2993	-.4380				
.565				-.2018						
.600								-.6543		
.637			-.1648							
.638	-.4073									
.650						-.4399				
.670								-.5903		
.700		-.1494				-.3432				
.725				-.3185						
.727	-.1645									
.730									-.5830	
.750							-.5553	-.4208		
.760			-.3454							
.775				-.9059	-.8615					

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1775

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0(5) = 2.179 BETA0(4) = 6.141

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5653	-.7027	-.7694	-.8478		
.274				-.4113						
.345									-.9419	
.362		-.0500								
.390			-.3560							
.400					-.4406	-.6176		-.9366		
.402				-.4018						
.418										-1.0289
.429	.0122									
.497		-.2961								
.503									-.9324	
.547	-.1811									
.550					-.3508	-.4871				
.565				-.2351						
.600								-.6433		
.637			-.2151							
.638	-.3209									
.650						-.5884				
.670								-.7345		
.700		-.1850				-.4371				
.725				-.3743						
.727	-.1903									
.730										-.8071
.750						-.6662	-.4716			
.760				-.4026						
.775					-.8697	-.6492				
.793	-.0640									
.798			-.4468							
.808				-.7330						
.834		-.3532								
.839			-.8086							
.850					-.3466	-.3589	-.1736			
.857				-.3357						
.862									-.4071	
.865		-.9083								
.879			-.3596							
.900		-.4064			-.3026			-.0237		
.905				-.2880						
.919			-.2844							
.950					-.2617	-.2678	.0131			
.953				-.2514						
.955			-.2500							
.965		-.3223								
1.000				-.2097		-.1546		.0596		

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA(6) = 4.252 BETA(1) = -6.110

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3079	-.0415	.0517	.4209	.6355	.5891	.5425	.4182	-.3457	
.010		-.1041	.0486	.2141	.0362	.0483	-.0809	-.3721		
.020		-.1106	.0726	.0314	-.0954	-.1605	-.2584	-.4823	-.8089	
.040			.0835	-.1314						
.041	-.2101									
.050		-.0522			-.3766	-.4615	-.5509	-.6849		
.069									-.7952	
.080					-.5770					
.081				-.3460						
.086			.0656							
.094		-.0404								
.113	-.1301									
.150					-.7787	-.9055	.0000	-.8854		
.157									-.7422	
.163			-.0574							
.177				-.5549						
.229		.0528								
.246			-.3258							
.247	-.0136									
.250					-.9081	-1.0191	-.9059	-.7952		
.274				-.6979						
.345									-.5888	
.362		-.0797								
.390			-.6135							
.400					-.9024	-.9311		-.6769		
.402				-.8432						
.418										-.6017
.429	.0437									
.497		-.4655								
.503									-.5472	
.547	-.2466									
.550					-.2191	-.6270				
.565				-.1394						
.600								-.5860		
.637			-.1654							
.638	-.5881									
.650							-.5850			
.670									-.4740	
.700		-.1683				-.4961				
.725				-.1286						
.727	-.2394									
.730										-.4723
.750							-.5099	-.5302		
.760				-.2381						
.775					-.8820	-.4899				

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(RETURN 7)

.246
247

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IA81A - PRESSURE SOURCE DATA TABULATION

PAGE 177B

ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING TOP

LTU171

ALPHA0(6) = 4.257 BETA0 (2) = -4.071

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.250						
.274						
.345						
.362						
.390						
.400						
.402						
.418						
.429						
.497						
.503						
.547						
.550						
.565						
.600						
.637						
.638						
.650						
.670						
.700						
.725						
.727						
.730						
.750						
.760						
.775						
.793						
.798						
.808						
.834						
.839						
.850						
.857						
.862						
.865						
.879						
.900						
.905						
.919						
.950						
.953						
.955						
.965						
1.000						

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0(81) = 4.252 BETA0(3) = .005

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4383	-.1462	-.0391	.3305	.5452	.4925	.4496	.3366	-.4607	
.010		-.1793	-.0051	.1771	.0456	.0531	-.0753	-.3518		
.020		-.1580	.0335	.0319	-.0699	-.1410	-.2411	-.4470	-.7954	
.040			.0490	-.0948						
.041	-.4772									
.050		-.0876			-.3213	-.4210	-.5066	-.6411		
.069									-.8147	
.080					-.5157					
.081				-.2745						
.086			.0490							
.094		-.0650								
.113	-.1349									
.150					-.7060	-.7904	.0000	-.8476		
.157									-.7912	
.163			-.0337							
.177				-.4823						
.229		.0255								
.246			-.2874							
.247	-.0266									
.250					-.7651	-.9498	-.9832	-.8196		
.274				-.6177						
.345									-.6346	
.362		-.0784								
.390			-.5551							
.400					-.8155	-.9445		-.7798		
.402				-.7082						
.418										-.6438
.429	.0274									
.497		-.4340								
.503									-.6028	
.547	-.2342									
.550					-.2205	-.5198				
.565				-.2197						
.600								-.6295		
.637			-.1832							
.638	-.5095									
.650						-.5996				
.670									-.5141	
.700		-.1785				-.2629				
.725				-.2062						
.727	-.2212									
.730										-.5067
.750						-.5111	-.5325			
.760				-.2931						
.775					-.9035	-.8280				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1781

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0(6) = 4.251 BETA0 (4) = 4.101

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.7046	-.8368	-.9676	-1.0019		
.274				-.5534						
.345									-.7032	
.362		-.0789								
.390			-.4868							
.400					-.7005	-.8954		-.9422		
.402				-.6012						
.418										-.7152
.429	.0027									
.497		-.3894								
.503									-.6777	
.547	-.2320									
.550					-.3371	-.4360				
.565				-.2466						
.600								-.6574		
.637			-.2234							
.638	-.4475									
.650						-.5317				
.670								-.5919		
.700		-.1972				-.2973				
.725					-.3519					
.727	-.2186									
.730										-.5686
.750							-.5136	-.4969		
.760				-.3856						
.775					-.8710	-.8673				
.793	-.0404									
.798			-.4255							
.808				-.7174						
.834		-.3293								
.839			-.9139							
.850					-.3068	-.3117	-.3081			
.857				-.3180						
.862									-.5144	
.865		-.9629								
.879			-.3512							
.900		-.4029			-.2776			-.3744		
.905				-.2665						
.919			-.2676							
.950					-.2393	-.2028	-.1037			
.953				-.2256						
.955			-.2313							
.965		-.3039								
1.000				-.1961		-.0990		-.2491		

ARC11-019 IAB1 LVAP(ELML SEALED) LEFT WING TOP

(RETU17)

ALPHA(6) = 4.247 BETA(5) = 6.153

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5035	-.2420	-.0965	.1349	.4559	.3893	.3513	.2388	-.5764	
.010		-.2021	-.0334	.0282	.0113	.0040	-.1100	-.3826		
.020		-.1627	-.0097	-.0481	-.0863	-.1656	-.2597	-.4669	-.8064	
.040			-.0050	-.1197						
.041	-.4218									
.050		-.1060			-.3040	-.4151	-.4901	-.6369		
.069									-.8327	
.080					-.4721					
.081				-.2375						
.086			.0008							
.094		-.0812								
.113	-.1868									
.150					-.6044	-.7256	.0000	-.8270		
.157									-.9678	
.163			-.0552							
.177				-.4132						
.229		.0018								
.246			-.2252							
.247	-.0363									
.250					-.6477	-.7766	-.8786	-.9854		
.274				-.4905						
.346									-.8475	
.362		-.0765								
.390			-.4131							
.400					-.5331	-.8223		-.9785		
.402				-.4787						
.418									-.8556	
.429	.0024									
.497		-.3451								
.503									-.7773	
.547	-.2090									
.550					-.3648	-.5028				
.565				-.2642						
.600								-.6965		
.637			-.2408							
.638	-.3733									
.650						-.5337				
.670								-.6862		
.700		-.2048				-.4351				
.725					-.3928					
.727	-.2236									
.730									-.6532	
.750							-.5924	-.4695		
.760				-.4189						
.775					-.7307	-.5521				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0(6) = 4.247 BETA0 (5) = 6.153

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	-.0685									
.798			-.4587							
.808				-.6037						
.834		-.3577								
.839			-.7053							
.850					-.3166	-.3406	-.1918			
.857				-.3293						
.862									-.5688	
.865		-.9047								
.879			-.3568							
.900		-.4054			-.2787			-.2482		
.905				-.2741						
.919			-.2940							
.950					-.2540	-.2500	-.0096			
.953				-.2394						
.955			-.2370							
.965		-.3251								
1.000				-.1971	-.1446		-.0501			

ALPHA0(7) = 6.350 BETA0 (1) = -4.053

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3180	-.1156	-.0314	.3719	.5837	.5327	.4723	.3154	-.5471	
.010		-.1852	-.0237	.1441	-.0633	-.0713	-.2321	-.5349		
.020		-.1681	.0084	-.0388	-.1852	-.2697	-.4028	-.6417	-.8371	
.040			.0270	-.1945						
.041	-.3359									
.050		-.1000			-.4495	-.5534	-.6723	-.8400		
.069									-.7254	
.080					-.6506					
.081				-.3961						
.086			.0170							
.094		-.0761								
.113	-.1519									
.150					-.8518	-.9754	.0000	-.8807		
.157									-.6509	
.163			-.0937							
.177				-.5692						
.229		.0293								
.246			-.3801							
.247	-.0452									

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0(7) = 6.350 BETA0(1) = -4.053

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.9431	-1.0100	-.8814	-.8791		
.274				-.7446						
.345									-.6315	
.362		-.1063								
.390			-.6374							
.400					-.9498	-.9038		-.8043		
.402				-.8630						
.418										-.6254
.429	.0252									
.497		-.4916								
.503									-.6513	
.547	-.2625									
.550					-.3554	-.7015				
.565				-.2154						
.600								-.6440		
.637			-.2137							
.638	-.6172									
.650						-.6463				
.670								-.5486		
.700		-.2075				-.5820				
.725					-.2390					
.727	-.2667									
.730									-.5381	
.750							-.5545	-.6310		
.760				-.2845						
.775					-.9276	-.5431				
.793	.1055									
.798		-.2613								
.808			-.8034							
.834		-.1635								
.839			-.8769							
.850					-.2899	-.3695	-.4707			
.857				-.4094						
.862									-.5171	
.865		-.8877								
.879			-.4575							
.900		-.4882			-.1474			-.5813		
.905				-.1641						
.919			-.1750							
.950					-.0539	-.2449	-.3994			
.953				-.0591						
.955			-.0972							
.965		-.2258								
1.000				-.0065		-.1208		-.5194		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0 (7) = 6.348 BETA0 (2) = -2.025

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3787	-.1545	-.0637	.3383	.5565	.4946	.4398	.2894	-.5880	
.010		-.2123	-.0459	.1312	-.0584	-.0669	-.2295	-.5342		
.020		-.1986	-.0054	-.0413	-.1764	-.2628	-.3964	-.6370	-.8446	
.040			.0177	-.1920						
.041	-.3962									
.050		-.1162			-.4348	-.5409	-.6622	-.8291		
.069									-.7586	
.080					-.6206					
.081				-.3837						
.086			.0123							
.094		-.0863								
.113	-.1471									
.150					-.7986	-.9510	.0000	-.8968		
.157									-.6668	
.163			-.0841							
.177				-.5614						
.229		.0176								
.246			-.3601							
.247	-.0489									
.250					-.9062	-1.0590	-.9216	-.8854		
.274				-.7190						
.345									-.6455	
.362		-.1047								
.390			-.6136							
.400					-.9394	-.9533		-.8368		
.402				-.8302						
.418										-.6312
.429	.0168									
.497		-.4805								
.503									-.6539	
.547	-.2590									
.550					-.2002	-.6583				
.565				-.2425						
.600								-.6582		
.637			-.2177							
.638	-.6045									
.650							-.6475			
.670									-.5677	
.700		-.2170				-.5490				
.725					-.2258					
.727	-.2792									
.730										-.5521
.750							-.5404	-.6331		
.760				-.2862						
.775					-.9397	-.6199				

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1786

ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETV17)

ALPHA0(7) = 6.348 BETA0 (2) = -2.025

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0753									
.798			-.2943							
.808				-.8275						
.834		-.1929								
.839			-.8789							
.850					-.3319	-.3624	-.4737			
.857				-.4471						
.862									-.5279	
.865		-.9091								
.879			-.5107							
.900		-.5099			-.1671			-.5750		
.905				-.1938						
.919			-.2213							
.950					-.0707	-.2215	-.3971			
.953				-.0902						
.955			-.1232							
.965		-.2731								
1.000			-.0186		-.0988			-.5126		

ALPHA0(7) = 6.344 BETA0 (3) = .018

[illegible]

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LABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0(7) = 6.344 BETA0 (3) = .018

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.8742	-1.0457	-.9296	-.8911		
.274				-.6950						
.345									-.6573	
.362		-.1028								
.390			-.5940							
.400					-.9142	-.9889		-.8440		
.402				-.7926						
.418										-.6402
.429	.0096									
.497		-.4715								
.503									-.6592	
.547	-.2594									
.550					-.1610	-.5949				
.565				-.2580						
.600								-.6612		
.637			-.2275							
.638	-.5905									
.650							-.6438			
.670									-.5817	
.700		-.2100				-.4918				
.725					-.2409					
.727	-.2674									
.730										-.5616
.750							-.5328	-.6312		
.760				-.2987						
.775					-.9281	-.7644				
.793	.0427									
.798			-.3152							
.808				-.8629						
.834		-.2203								
.839			-.8953							
.850					-.3136	-.3204	-.4512			
.857				-.4187						
.862									-.5342	
.865		-.9347								
.879			-.4979							
.900		-.4902			-.2009			-.5518		
.905				-.2105						
.919			-.2363							
.950					-.1124	-.1857	-.3629			
.953				-.1138						
.955			-.1573							
.965		-.2827								
1.000				-.0428		-.0692		-.4914		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1788

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0(7) = 6.340 BETA0 (4) = 2.076

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4441	-.2662	-.1813	.2405	.4766	.4333	.3654	.2184	-.6859	
.010		-.2811	-.1060	.0604	-.1460	-.0752	-.2389	-.5448		
.020		-.2334	-.0474	-.0805	-.2580	-.2643	-.3982	-.6484	-.8663	
.040			-.0215	-.1962						
.041	-.5041									
.050		-.1311			-.5181	-.5279	-.6480	-.8283		
.069									-.7780	
.080					-.6028					
.081				-.3671						
.086			-.0152							
.094		-.0909								
.113	-.1446									
.150					-.7597	-.9062	.0000	-.9749		
.157									-.6970	
.163			-.0928							
.177				-.5361						
.229		-.0023								
.246			-.3170							
.247	-.0651									
.250					-.8273	-1.0280	-.9446	-.9208		
.274				-.6618						
.345									-.6715	
.362		-.1070								
.390			-.5765							
.400					-.8714	-1.0135		-.8759		
.402				-.7379						
.418										-.6507
.429	.0040									
.497		-.4560								
.503									-.6696	
.547	-.2555									
.550					-.2178	-.5952				
.565				-.2738						
.600								-.6656		
.637			-.2391							
.638	-.5550									
.650							-.6449			
.670									-.5965	
.700		-.2355				-.3935				
.725					-.2748					
.727	-.2624									
.730									-.5727	
.750							-.5185	-.6237		
.760				-.3328						
.775					-.8994	-.8813				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1790

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU17)

ALPHA0 (7) = 6.335 BETA0 (5) = 4.123

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.5730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.7901	-1.0060	-1.0350	-.9449		
.274				-.6355						
.345									-.6857	
.362		-.1040								
.390			-.5390							
.400					-.8234	-.9795		-.9173		
.402				-.6828						
.418										-.6592
.429	-.0038									
.497		-.4342								
.503									-.6827	
.547	-.2481									
.550					-.3433	-.4998				
.565				-.2930						
.600								-.6789		
.637			-.2573							
.638	-.4951									
.650							-.6335			
.670								-.6257		
.700		-.2364				-.2881				
.725					-.3312					
.727	-.2577									
.730										-.5860
.750							-.5070	-.6406		
.760				-.3735						
.775					-.8333	-.8794				
.793	-.0481									
.798			-.4264							
.808				-.9042						
.834		-.3175								
.839			-.9624							
.850					-.2959	-.2827	-.3889			
.857				-.3205						
.862									-.5722	
.865		-.9539								
.879			-.3995							
.900		-.4595			-.2690			-.5051		
.905				-.3202						
.919			-.2692							
.950					-.2197	-.2053	-.2529			
.953				-.2624						
.955			-.2143							
.965		-.3126								
1.000				-.2029		-.1206		-.4004		

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TAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETR18) (17 OCT 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

MACH = 1.100 RN/FT = 2.250
 ELV-18 = 10.000 ELV-08 = 4.000
 RUDDER = .000 SPDBRK = .000

ALPHA0 (1) = -6.223 BETA0 (1) = .032

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3241	-.2296	-.0530	.3396	.4672	.3523	.2893	.2952	-.1497	
.010		-.2391	-.0194	.4259	.5364	.5170	.5118	.4757		
.020		-.2543	.0210	.3943	.4675	.4397	.4526	.4491	-.1376	
.040			.0522	.3255						
.041	-.3309									
.050		-.1769			.2896	.2740	.3017	.3080		
.069									-.1749	
.080					.1362					
.081				.2232						
.086			.1920							
.094		-.1102								
.113	-.2994									
.150					-.0519	-.0243	.0000	.0145		
.157									-.2119	
.163			.2680							
.177				.0050						
.229		-.0787								
.246			.0707							
.247	-.1286									
.250					-.1750	-.1917	-.1811	-.2188		
.274				-.1084						
.345									-.1625	
.362		.1373								
.390			-.1006							
.400					.0362	-.0162		-.2555		
.402				-.0604						
.418									-.1368	
.429	.0498									
.497		-.0709								
.503									-.1780	
.547	.0481									
.550					.0649	-.0591				
.565				.1480						
.600								-.2743		
.637			.1786							
.638	.0093									
.650							-.1805			
.670									-.2794	

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1AB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1793

ARC11-019 1AB1 LVAPIELHL SEALED) LEFT WING TOP

(RETU18)

ALPHA0(2) = -4.129 BETA0 (1) = -4.089

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.1765	-.1805	.0000	-.1236		
.157									-.3116	
.163			.2480							
.177				-.0589						
.229		-.0493								
.246			.0091							
.247	-.1220									
.250					-.2940	-.3151	-.3079	-.3317		
.274				-.2213						
.345									-.3880	
.362		.1204								
.390			-.1872							
.400					-.4265	-.4882		-.5688		
.402				-.3440						
.418									-.1351	
.429	.0419									
.497		-.1140								
.503									-.4546	
.547	.0152									
.550					.0448	-.1042				
.565				.1089						
.600								-.5274		
.637			.1546							
.638	-.1912									
.650						-.0684				
.670									-.6354	
.700		.1543				.0226				
.725					.0635					
.727	.1090									
.730									-.4836	
.750							-.2266	-.2452		
.760				.0621						
.775					-.4482	-.4784				
.793	.2800									
.798			.0126							
.808				-.4559						
.834		.0571								
.839			-.4722							
.850					-.4532	-.3043	-.1390			
.857				-.4647						
.862									-.2379	
.865	-.4944									
.879		-.4343								
.900	-.3419				-.4612			-.0674		
.905				-.4833						

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TABLE - PRESSURE SOURCE DATA TABULATION

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ARC11-019 (AS1 LVAP(ELHL SEALED) LEFT WING TOP

(RE TU 16)

ALPHA0(2) = -4.111 BETA0 (2) = .021

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.550					.0573	-.0497				
.565				.1226						
.600										
.637			.1475					-.2167		
.638	-.1467									
.650							-.1815			
.670									-.2685	
.700		.1722				-.0253				
.725					.0355					
.727	.1526									
.730										-.2495
.750							-.2901	-.2477		
.760				.0174						
.775					-.4852	-.4961				
.793	.2583									
.798			-.0387							
.808				-.4910						
.834		.0145								
.839			-.5090							
.850					-.4852	-.3744	-.2519			
.857				-.5035						
.862									-.0937	
.865		-.5237								
.879			-.4757							
.900		-.3700			-.5019			-.0497		
.905				-.4993						
.919			-.4385							
.950					-.4333	-.3801	-.1188			
.953				-.4316						
.955			-.4069							
.965		-.4179								
1.000				-.2307		-.4600		-.4183		

ALPHA0 (2) = -4.085 BETA0 (3) = 4.129

[illegible]

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1A91A - PRESSURE SOURCE DATA TABULATION

PAGE 1796

ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING TOP

(RETU18)

ALPHA(2) = -4.085 BETA(3) = 4.129

SECTION 1 1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.1991			.1854	.1913	.2121	.2107		
.069									-.2054	
.080					.0816					
.081				.1659						
.086			.1675							
.094		-.1686								
.113	-.3629									
.150					-.0715	-.0732	.0000	+.0658		
.157									-.2927	
.163			.2217							
.177				+.0057						
.229		-.0118								
.246			.0594							
.247	-.1555									
.250					-.1765	-.2259	-.2355	-.2796		
.274				-.1004						
.345									-.1814	
.362		.1277								
.390			-.0853							
.400					-.0368	-.0448		-.2739		
.402				-.0984						
.418									-.1238	
.429	.0890									
.497		-.0556								
.503									-.1868	
.547	.0458									
.550					.0244	-.0800				
.565				.1002						
.600								-.2874		
.637			.1294							
.638	-.0390									
.650							-.2004			
.670								-.2833		
.700		.1473				-.0661				
.725					.0044					
.727	.1302									
.730									-.2495	
.750							-.3343	-.3349		
.760				-.0188						
.775					-.5053	-.5157				
.793	.2396									
.798			-.0682							
.808				-.5059						
.834		-.0111								
.839			-.5351							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU180)

ALPHA0(2) = -4.085 BETA0 (3) = 4.129

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP					
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW									
.850					-.5217	-.4052	-.3172		
.857				-.5214					
.862								-.1012	
.865		-.5508							
.879			-.5056						
.900		-.3936			-.5304			-.1333	
.906				-.6908					
.919			-.4480						
.950					-.4869	-.4167	-.2208		
.953				-.6087					
.955			-.4058						
.965		-.3923							
1.000				-.2892		-.4227		-.4633	

ALPHA0(3) = .045 BETA0 (1) = -6.157

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP					
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW									
.000	-.2137	-.0840	-.0286	.5391	.7349	.7068	.6984	.6647	.0901
.010		-.1214	-.0300	.4538	.4134	.4655	.4171	.2332	
.020		-.1487	-.0289	.3136	.2932	.2917	.2604	.1661	-.1479
.040			-.0149	.1704					
.041	-.1888								
.050		-.1059			.0362	.0228	.0012	-.0590	
.069									-.2358
.080					-.1468				
.081				-.0075					
.086			.1623						
.094		-.1544							
.113	-.1039								
.150					-.3503	-.3569	.0000	-.3248	
.157									-.4540
.163			.1701						
.177				-.2300					
.229		-.0560							
.246			-.1166						
.247	-.1554								
.250					-.4704	-.5219	-.5237	-.5150	
.274				-.3864					
.345								-.5866	
.362		.0793							
.390			-.3068						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU18)

ALPHA0 (3) = .045 BETA0 (1) = -6.157

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.400					-.5224	-.6589		-.7113		
.402				-.4345						
.418										-.3572
.429	.0436									
.497		-.1984								
.503								-.6981		
.547	-.0591									
.550					-.4143	-.6515				
.565				-.1161						
.600								-.6921		
.637			-.0365							
.638	-.2622									
.650							-.6775			
.670									-.9251	
.700		-.0424				-.4046				
.725					.0290					
.727	-.2315									
.730										-.8340
.750							-.6046	-.6567		
.760				.0137						
.775					-.4981	-.4283				
.793	.2203									
.798			.0007							
.808				-.4452						
.834		.0648								
.839			-.4718							
.850					-.4330	-.2709	-.4645			
.857				-.4361						
.862									-.9777	
.865	-.4944									
.879		-.4495								
.900	-.3513				-.4267			-.3845		
.905				-.4553						
.919		-.4156								
.950				-.2812	-.2581	-.2746				
.953				-.3969						
.955		-.3953								
.965	-.4375									
1.000			-.1543		-.2585		-.3604			

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU18)

ALPHA0(3) = .049 BETA0 (2) = -4.107

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/8W	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.2243	-.1255	-.0404	.5056	.7036	.6707	.6565	.6286	.0479	
.010		-.1600	-.0449	.4291	.4074	.4566	.4072	.2360		
.020		-.1854	-.0329	.3017	.2948	.2900	.2561	.1665	-.1650	
.040			-.0033	.1682						
.041	-.1959									
.050		-.1475			.0530	.0324	.0071	-.0493		
.069									-.2490	
.080					-.1267					
.081				.0021						
.086			.1279							
.094		-.1751								
.113	-.1458									
.150					-.3168	-.3331	.0000	-.3266		
.157									+.4586	
.163			.1657							
.177				-.1863						
.229		-.0778								
.246			-.0975							
.247	-.1685									
.250					-.4184	-.5042	-.5177	-.5111		
.274				-.3231						
.345									-.5822	
.362		.0765								
.390			-.2637							
.400					-.5146	-.6245		-.7017		
.402				-.4397						
.418										-.3974
.429	.0144									
.497		-.1623								
.503									-.6854	
.547	-.0356									
.550					-.4107	-.6012				
.565				-.0923						
.600								-.7108		
.637			-.0188							
.638	-.2446									
.650							-.6806			
.670									-.9075	
.700		-.0100				-.1935				
.725					.0012					
.727	-.1441									
.730										-.8523
.750							-.6578	-.7350		
.760				.0203						
.775					-.4541	-.4433				

ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETRUB)

ALPHA0(3) = .049 BETA0 (2) = -4.107

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.793	.2085					
.798		-.0171				
.808			-.4596			
.834	.0399					
.839		-.4832				
.850				-.4678	-.3209	-.1588
.857			-.4653			
.862						-.9735
.865	-.5028					
.879		-.4557				
.900	-.3630			-.4678		-.3354
.905			-.4665			
.919		-.4296				
.950				-.3375	-.2902	-.0479
.953			-.4185			
.955		-.4004				
.965	-.4444					
.000			-.1843		-.3190	-.2897

ALPHA0(3) = .052 BETA0 (3) = -.012

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2113	-.2475	-.0660	.4219	.6031	.5540	.5439	.5452	-.0138
.010		-.2743	-.0518	.3594	.3586	.3993	.3709	.2227	
.020		-.2749	-.0153	.2594	.2620	.2510	.2370	.1631	-.1852
.040			.0270	.1520					
.041	-.2858								
.050		-.2350			.0452	.0156	.0066	-.0412	
.069									-.2583
.080					-.1326				
.081				.0020					
.086			.1454						
.094		-.2148							
.113	-.2492								
.150					-.2988	-.3400	.0000	-.3240	
.157									-.4581
.163			.1592						
.177				-.1517					
.229		-.0834							
.246			-.0794						
.247	-.1965								

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1801

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RET018)

ALPHA(3) = .052 BETA(3) = -.012

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CM										
.250					-.3870	-.4655	-.4829	-.5002		
.274				-.2868						
.345									-.5559	
.362		.0812								
.390			-.2440							
.400					-.4914	-.5717		-.6824		
.402				-.4101						
.418										-.4328
.429	.0643									
.497		-.1564								
.503									-.6502	
.547	-.0389									
.550					-.0843	-.4808				
.565				-.0021						
.600								-.6292		
.637			.0487							
.638	-.2343									
.650							-.5393			
.670									-.8119	
.700		.0418				-.0587				
.725					-.0148					
.727	-.0006									
.730										-.8777
.750							-.2526	-.4131		
.760				-.0102						
.775					-.4934	-.5459				
.793	.1959									
.798			-.0622							
.808				-.4898						
.834		-.0135								
.839			-.5153							
.850					-.4881	-.3281	-.1572			
.857				-.5077						
.862									-.8143	
.865		-.5278								
.879			-.4736							
.900		-.3815			-.5112			-.2824		
.905				-.5061						
.919			-.4488							
.950					-.4169	-.3539	-.0750			
.953				-.4341						
.955			-.4185							
.965		-.4212								
1.000				-.1938		-.3963		-.3249		

ORIGINAL PAGE IS
OF POOR QUALITY

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU18)

ALPHA0 (3) = .069 BETA0 (4) = 4.104

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.2971	-.3637	-.0560	.3528	.5638	.4861	.4687	.4668	-.0806		
.010		-.3905	.0178	.2909	.3312	.3467	.3178	.1848			
.020		-.3816	.0702	.2166	.2466	.2147	.1951	.1312	-.2166		
.040			.0919	.1419							
.041	-.3862										
.050		-.3092			.0529	.0040	-.0094	-.0569			
.069									-.2843		
.080					-.0873						
.081				.0301							
.086			.1395								
.094		-.2147									
.113	-.3567										
.150					-.2571	-.3010	.0000	-.3077			
.157									-.4681		
.163			.1440								
.177				-.1176							
.229		.0171									
.246			-.0201								
.247	-.2014										
.250					-.3272	-.3858	-.4081	-.4825			
.274				-.2295							
.345									-.5172		
.362		.0941									
.390			-.1983								
.400					-.4081	-.5028		-.6346			
.402				-.3312							
.418										-.4700	
.429	.1051										
.497		-.1177									
.503									-.5751		
.547	.0011										
.550					-.0299	-.1165					
.565				.0368							
.600								-.5591			
.637			.0571								
.638	-.1794										
.650							-.1717				
.670									-.6198		
.700		.0713				-.0853					
.725					-.0295						
.727	.0408										
.730										-.8691	
.750							-.2889	-.3138			
.760				-.0581							
.775					-.5189	-.5297					

ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING TOP

(RETURN)

ALPHA(3) = .076 BETA(5) = 6.162

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.3013	-.3697	-.3894	-.4396		
.274				-.2024						
.345									-.4911	
.362		.0962								
.390			-.1763							
.400					-.3640	-.4439		-.5798		
.402				-.2858						
.418										-.4595
.429	.1128									
.497		-.1105								
.503									-.5208	
.547	.0024									
.550					-.0279	-.1002				
.565				.0303						
.600								-.4302		
.637			.0571							
.638	-.1624									
.650							-.1996			
.670									-.4103	
.700		.0673				-.0988				
.725					-.0397					
.727	.0390									
.730										-.8206
.750							-.3249	-.2497		
.760				-.0723						
.775					-.5284	-.5278				
.793	.1802									
.798			-.1106							
.808				-.5195						
.834		-.0514								
.839			-.5475							
.850					-.5374	-.3912	-.3125			
.857				-.5226						
.862									-.1613	
.865	-.5703									
.879		-.4980								
.900	-.3894				-.5455			-.1017		
.905				-.5215						
.919			-.4415							
.950					-.4590	-.4139	-.1788			
.953				-.4504						
.955		-.4096								
.965	-.4054									
1.000				-.1855		-.3556		-.4206		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1805

ARCI:-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETV18)

ALPHA(4) = 4.250 BETA(1) = -4.085

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2005	-.0821	-.1647	.4501	.6618	.6670	.6435	.5471	-.1609	
.010		-.1355	-.1365	.2783	.1072	.2290	.1430	-.0838		
.020		-.1531	-.0980	.1219	-.0103	.0572	-.0069	-.1698	-.4929	
.040			-.0654	-.0129						
.041	-.1514									
.050		-.1629			-.2510	-.1829	-.2379	-.3423		
.069									-.5175	
.080					-.3206					
.081				-.1854						
.086			.0185							
.094		-.2136								
.113	-.1386									
.150					-.5311	-.5448	.0000	-.5496		
.157									-.6673	
.163			.0607							
.177				-.3300						
.229		-.1362								
.246			-.2052							
.247	-.1731									
.250					-.5911	-.6828	-.6878	-.6758		
.274				-.4513						
.345									-.8087	
.362		.0357								
.390			-.3602							
.400					-.6459	-.7843		-.8196		
.402				-.5329						
.418									-.7375	
.429	.0132									
.497		-.2349								
.503									-.8907	
.547	-.0892									
.550					-.6245	-.7704				
.565				-.2650						
.600								-.7875		
.637			-.2004							
.638	-.3289									
.650							-.7796			
.670									-.9541	
.700		-.2617				-.6990				
.725					-.1004					
.727	-.3715									
.730									-.9541	
.750							-.6666	-.6812		
.760				-.1224						
.775					-.5204	-.5242				

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1807

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU18)

ALPHA0(4) = 4.253 BETA0 (2) = .000

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5350	-.6311	-.6613	-.6625		
.274				-.4043						
.345									-.7820	
.362		.0440								
.390			-.3383							
.400					-.5955	-.7255		-.8079		
.402				-.5003						
.418										-.7937
.429	.0650									
.497		-.2297								
.503									-.8568	
.547	-.0915									
.550					-.4638	-.7116				
.565				-.1681						
.600								-.7713		
.637			-.1407							
.638	-.3159									
.650						-.7745				
.670									-.9343	
.700		-.1143				-.2109				
.725					-.1094					
.727	-.3003									
.730										-.9402
.750							-.6885	-.7320		
.760				-.0884						
.775					-.5165	-.5106				
.793	.1654									
.798			-.0952							
.808				-.4905						
.834		-.0138								
.839			-.5341							
.850					-.5216	-.3905	-.4996			
.857					-.5057					
.862									-.9451	
.865		-.5523								
.879			-.5058							
.900		-.3985			-.5192			-.4781		
.905				-.5871						
.919			-.4679							
.950					-.3475	-.3453	-.1955			
.953				-.5413						
.955			-.4245							
.965		-.4202								
1.000				-.1560		-.1911		-.4421		

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

ALPHA0(4) = 4.255 BETA0 (3) = 4.115

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2120	-.3904	-.2163	.2618	.4674	.5312	.5102	.4328	-.3018	
.010		-.4351	-.0847	.1570	.0589	.1723	.0976	-.1060		
.020		-.4202	-.0127	.0735	-.0302	.0229	-.0305	-.1880	-.5131	
.040			.0107	-.0083						
.041	-.3341									
.050		-.3694			-.1377	-.1880	-.2371	-.3389		
.069									-.5314	
.080					-.2708					
.081				-.1262						
.086			.0579							
.094		-.2940								
.113	-.3496									
.150					-.3954	-.4736	.0000	-.5219		
.157									-.6509	
.163			.0521							
.177				-.2208						
.229		.0037								
.246			-.1116							
.247	-.2733									
.250					-.4451	-.5904	-.6223	-.6476		
.274				-.3168						
.345									-.7620	
.362		.0490								
.390			-.2645							
.400					-.5226	-.6416		-.7957		
.402				-.4253						
.418									-.8498	
.429	.0835									
.497		-.1689								
.503									-.8308	
.547	-.0519									
.550					-.2016	-.6070				
.565				-.1096						
.600								-.7466		
.637			-.0675							
.638	-.2509									
.650							-.6397			
.670									-.8612	
.700		-.0479				-.1656				
.725					-.1099					
.727	-.1578									
.730									-.8583	
.750							-.4169	-.6568		
.760				-.1069						
.775					-.5351	-.5479				

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1809

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETI18)

ALPHA(4) = 4.255 BETA(3) = 4.115

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1482									
.798			-.1402							
.808				-.5257						
.834	-.0612									
.839		-.5677								
.850					-.5340	-.3805	-.2590			
.857				-.5324						
.862									-.8528	
.865	-.5803									
.879		-.5029								
.900	-.3977				-.5481				-.4836	
.905				-.5213						
.919		-.4557								
.950					-.3188	-.3734	-.1195			
.953				-.4152						
.955		-.4130								
.965	-.4242									
1.000			-.2107		-.2476		-.5148			

ALPHA(5) = 6.356 BETA(1) = .011

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1269	-.2340	-.3968	-.2967	.6016	.5750	.5485	.4375	-.3621	
.010		-.3073	-.3044	.1372	.0392	.0958	.0056	-.2352		
.020		-.3101	-.1749	.0061	-.0415	-.0576	-.1318	-.3075	-.6747	
.040			-.1145	-.0872						
.041	-.2667									
.050		-.2830			-.2442	-.2743	-.3461	-.4680		
.069									-.6784	
.080					-.3798					
.081				-.2359						
.086			.0129							
.094		-.2923								
.113	-.2512									
.150					-.5669	-.6049	.0000	-.6362		
.157									-.7692	
.163			.0287							
.177				-.3488						
.229		-.1057								
.216			-.2165							
.247	-.2529									

ORIGINAL PAGE IS
OF POOR QUALITY

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

ALPHA0(5) = 6.356 BETA0 (1) = .011

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/RW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5997	-.7241	-.7357	-.7447		
.274				-.4533						
.345									-.8009	
.362		.0333								
.390			-.3645							
.400					-.6413	-.7949		-.8532		
.402				-.5241						
.418									-.8265	
.429	.0743									
.497		-.2594								
.503								-.8097		
.547	-.1167									
.550					-.5994	-.7962				
.565				-.2878						
.600								-.8211		
.637			-.2512							
.638	-.3591									
.650							-.8111			
.670								-.7837		
.700		-.3286				-.5781				
.725				-.1752						
.727	-.4000									
.730									-.7840	
.750							-.6938	-.7602		
.760			-.1375							
.775					-.5020	-.5385				
.793	.1321									
.798			-.1372							
.808				-.4900						
.834		-.0009								
.839			-.5455							
.850					-.5174	-.3177	-.5908			
.857				-.5015						
.862								-.7787		
.865		-.5541								
.879			-.5208							
.900		-.4049			-.4906			-.7417		
.905				-.5140						
.919			-.4651							
.950					-.2864	-.2943	-.4976			
.953				-.4559						
.955			-.4153							
.965		-.4347								
1.000				-.1411		-.1342		-.6808		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1811

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU19) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.250 RN/FT = 2.250
 ELV-18 = 10.000 ELV-08 = 4.000
 RUDDER = .000 SPD8RK = .000

ALPHA(1) = -4.169 BETA(1) = -4.086

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/8W	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.0973	-.0292	-.1356	.3045	.5731	.5435	.5078	.5221	-.0816		
.010		-.0601	-.1074	.3842	.5593	.5968	.5767	.5052			
.020		-.0944	-.0822	.3337	.4728	.4852	.4788	.4645	-.0603		
.040			-.0541	.2448							
.041	-.1660										
.050		-.1212			.2666	.2748	.2823	.2802			
.069									-.1153		
.080					.0884						
.081				.1267							
.086			.0486								
.094		-.1384									
.113	-.1189										
.150					-.1146	-.0976	.0000	-.0195			
.157									-.2480		
.163			.1642								
.177				-.0438							
.229		-.0454									
.246			-.0518								
.247	-.1240										
.250					-.2350	-.2503	-.2355	-.2327			
.274				-.1931							
.345									-.2893		
.362		.0430									
.390			-.1712								
.400					-.3615	-.4081		-.4414			
.402				-.3182							
.418									-.0917		
.429	-.0502										
.497		-.1310									
.503									-.3259		
.547	-.0464										
.550					-.3823	-.4358					
.565			-.2721								
.600								-.5038			
.637		-.0709									
.638	-.1673										
.650					-.5012						
.670								-.4973			

ARC11-019 LAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU19)

ALPHA0(1) = -4.169 BETA0 (1) = -4.086

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.700		-.1176				-.2640				
.725					-.0282					
.727	-.2191									
.730										-.3245
.750							-.5526	-.5464		
.760				.0784						
.775					-.2984	-.3386				
.793	.1928									
.798			.0477							
.808				-.2940						
.834		.0954								
.839			-.3231							
.850					-.2842	-.2066	-.4762			
.857				-.3061						
.862									-.4681	
.865		-.3559								
.879			-.3137							
.900		-.2444			-.2978			-.4185		
.905				-.3216						
.919			-.3079							
.950					-.2476	-.2165	-.1496			
.953				-.2860						
.955			-.2898							
.965		-.3220								
1.000			-.3966		-.4247		-.3090			

ALPHA0(1) = -4.149 BETA0 (2) = .018

[illegible]

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RET019)

ALPHA0(1) = -4.149 BETA0(2) = .018

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8670	.9720	1.0000
X/CW										
.150					-.0831	-.0864	.0000	-.0355		
.157									-.2953	
.163			.1268							
.177				-.0171						
.229		-.0871								
.246			-.0547							
.247	-.1677									
.250					-.2045	-.2148	-.2088	-.2210		
.274				-.1472						
.345									-.3121	
.362		.0091								
.390			-.1369							
.400					-.3287	-.3591		-.4259		
.402				-.2761						
.418									-.1357	
.429	-.0877									
.497		-.1277								
.503									-.3267	
.547	-.0597									
.550					-.1607	-.4018				
.565				-.0057						
.600								-.4997		
.637			.0627							
.638	-.1441									
.650							-.4550			
.670									-.4649	
.700		.0653				-.0784				
.725					.0748					
.727	-.0046									
.730									-.3257	
.750							-.3729	-.5159		
.760				.0759						
.775					-.3107	-.3142				
.793	.2120									
.798			.0155							
.808				-.3284						
.834		.0532								
.839			-.3512							
.850					-.3192	-.1915	-.2091			
.857				-.3418						
.862									-.4183	
.865	-.3852									
.879		-.3424								
.900	-.2721				-.3356			-.2461		
.905				-.3604						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU19)

ALPHA(1) = -4.104 BETA(3) = 4.148

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.5730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.950					-.0137	-.1786				
.965				.0627						
.600								-.4473		
.677			.0943							
.638	-.1180									
.650							-.1326			
.670									-.4412	
.700		.0930			.0609					
.725				.1195						
.727	.0335									
.730										-.3745
.750							-.1747	-.2997		
.760			.0662							
.775				-.3186	-.3215					
.793	.2196									
.798		.0120								
.808			-.3315							
.834	.0418									
.839		-.3610								
.850				-.3344	-.2255	-.1724				
.857			-.3461							
.862									-.0487	
.865	-.3922									
.879		-.3487								
.900	-.2650			-.3486				.0588		
.905			-.3572							
.919		-.3150								
.950			-.3255	-.2654	-.0599					
.953			-.3180							
.955		-.2985								
.965	-.2957									
1.000			-.2420		-.4302		-.2785			

ALPHA(2) = .052 BETA(1) = -4.119

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.5730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1525	-.0364	-.0798	.3708	.6329	.6661	.6320	.6537	.1220	
.010		-.0771	-.0287	.3609	.4148	.5317	.4904	.3765		
.020		-.1086	-.0265	.3556	.3048	.3804	.3577	.3155	-.0302	
.040			-.0194	.1439						
.041	-.2056									

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU19)

ALPHA0 (2) = .052 BETA0 (1) = -4.119

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW											
.050			-.1290			.0542	.1384	.1222	.1138		
.069										-.1039	
.080						-.0241					
.081					.0244						
.086				.0107							
.094			-.1273								
.113	-.1464										
.150						-.2310	-.2304	.0000	-.1631		
.157										-.2904	
.163				.1069							
.177					-.1590						
.229		-.0881									
.246			-.1111								
.247	-.1477										
.250						-.3610	-.3807	-.3631	-.3489		
.274					-.2903						
.345										-.3933	
.362		.0128									
.390			-.2423								
.400						-.4628	-.5205		-.5265		
.402					-.3963						
.418											-.2259
.429	-.0698										
.497		-.1877									
.503										-.4883	
.547	-.0844										
.550						-.4924	-.5482				
.565					-.3877						
.600									-.5690		
.637			-.3294								
.638	-.2301										
.650								-.5854			
.670										-.6881	
.700		-.3093					-.5393				
.725					-.1743						
.727	-.2816										
.730											-.6550
.750								-.5996	-.6017		
.760				-.0778							
.775					-.3639	-.5699					
.793	.0152										
.798			-.0458								
.808				-.2941							
.834		.0332									
.839			-.3220								

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(REU19)

ALPHA0(2) = .052 BETAD (1) = -4.115

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.850						
.857						
.862						
.865						
.879						
.900						
.905						
.919						
.950						
.953						
.955						
.965						
1.000						

ALPHA0(2) = .055 BETA0 (2) = -.007

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.000	-.3211	-.1524	-.1723	.3617	.5657	.5679	.5369	.5349	.0713
.010		-.1899	-.0933	.3328	.3288	.4390	.4134	.3111	
.020		-.2118	-.0774	.2341	.2296	.3051	.2909	.2605	-.0579
.040			-.0677	.1297					
.041	-.2718								
.050		-.2210			-.0041	.0831	.0758	.0756	
.069									-.1276
.080					-.0548				
.081				.0271					
.086			-.0340						
.094		-.1973							
.113	-.1930								
.150					-.2350	-.2321	.0000	-.1877	
.157									-.3052
.163			.0864						
.177				-.1364					
.229		-.1066							
.246			-.1085						
.247	-.2115								
.250					-.3244	-.3788	-.3882	-.3663	
.274				-.2529					
.345									-.3905
.362		-.0051							
.390			-.2118						

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU19)

ALPHA0(2) = .055 BETA0 (2) = -.007

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.400					-.4140	-.4799		-.5290		
.402				-.3519						
.418										-.2861
.429	-.1006									
.497		-.1628								
.503									-.4687	
.547	-.0726									
.550					-.4304	-.5045				
.565				-.3243						
.600								-.5640		
.637			-.1409							
.638	-.1946									
.650							-.5558			
.670									-.6530	
.700		-.1832				-.4100				
.725				-.1122						
.727	-.2407									
.730										-.6969
.750							-.5712	-.5895		
.760				-.0065						
.775					-.3553	-.4069				
.793	.1329									
.798			-.0308							
.808				-.3322						
.834		.0205								
.839			-.3666							
.850					-.3294	-.2662	-.5125			
.857				-.3459						
.862									-.7475	
.865	-.3927									
.879		-.3585								
.900	-.2998				-.3417			-.4870		
.905				-.5275						
.919		-.3556								
.950					-.3023	-.2372	-.2513			
.953				-.5585						
.955		-.3410								
.965	-.3585									
1.000			-.4541			-.4563		-.4341		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU19)

ALPHA(2) = .067 BETA(3) = 4.107

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4234	-.2941	-.1510	.2985	.5609	.4964	.5144	.5183	.0098	
.010		-.3168	-.1215	.2537	.3282	.3635	.3800	.2675		
.020		-.3120	-.0878	.1879	.2472	.2436	.2658	.2190	-.1134	
.040			-.0661	.1173						
.041	-.3493									
.050		-.2743			.0678	.0495	.0761	.0463		
.069									-.1758	
.080					-.0666					
.081				.0159						
.086			-.0026							
.094		-.2383								
.113	-.2893									
.150					-.2077	-.2324	.0000	-.1953		
.157									-.3749	
.163			.0863							
.177				-.0967						
.229		-.1186								
.246			-.0684							
.247	-.2315									
.250					-.2908	-.3369	-.3442	-.3645		
.274				-.2079						
.345									-.4037	
.362		.0264								
.390			-.1831							
.400					-.3808	-.4291		-.5197		
.402				-.3176						
.418									-.3615	
.429	-.0831									
.497		-.1349								
.503									-.4689	
.547	-.0445									
.550					-.2740	-.4415				
.565				-.1380						
.600								-.5337		
.637			-.0359							
.638	-.1769									
.650							-.5084			
.670								-.6379		
.700		-.0507				-.1453				
.725					.0199					
.727	-.1559									
.730									-.7370	
.750							-.4552	-.5480		
.760				.0311						
.775					-.3372	-.3344				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU19)

ALPHA0(3) = 4.243 BETA0(2) = .004

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3274	-.1776	-.2291	.3207	.6322	.6175	.6093	.5714	-.1025	
.010		-.2267	-.1980	.1919	.1175	.2769	.2414	.0741		
.020		-.3219	-.1605	.0850	.0385	.1304	.1073	.0020	-.3251	
.040			-.1394	-.0174						
.041	-.3334									
.050		-.1840			-.0938	-.0847	-.1062	-.1630		
.069									-.3500	
.080					-.2186					
.081				-.1491						
.086			-.0727							
.094		-.2190								
.113	-.2184									
.150					-.4006	-.4059	.0000	-.3659		
.157									-.4783	
.163			.0082							
.177				-.2563						
.229		-.1429								
.246			-.1718							
.247	-.1897									
.250					-.4788	-.5275	-.5133	-.4975		
.274				-.3613						
.345									-.5885	
.362		-.0275								
.390			-.2864							
.400					-.5047	-.6108		-.6291		
.402				-.4284						
.418									-.6185	
.429	-.1050									
.497		-.2104								
.503									-.8554	
.547	-.1018									
.550					-.5151	-.6159				
.565				-.4071						
.600								-.6546		
.637			-.3207							
.638	-.2611									
.650						-.6312				
.670								-.8359		
.700		-.3424				-.5897				
.725					-.2059					
.727	-.3181									
.730									-.8264	
.750							-.6268	-.6677		
.760				-.1523						
.775					-.4097	-.5549				

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(RETV19)

.246 -.1383

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU19)

ALPHA0 (3) = 4.242 BETA0 (3) = 4.125

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4077	-.4923	-.4994	-.5036		
.274				-.2995						
.345									-.5869	
.362		.0014								
.390			-.2474							
.400					-.4519	-.5558		-.6272		
.402				-.3917						
.418										-.6659
.429	-.0669									
.497		-.1785								
.503									-.6466	
.547	-.0666									
.550					-.4513	-.5540				
.565				-.3107						
.600								-.6431		
.637			-.2588							
.638	-.2377									
.650						-.6068				
.670								-.8136		
.700		-.3043				-.4315				
.725					-.1555					
.727	-.2839									
.730									-.8427	
.750							-.6153	-.6348		
.760				-.0629						
.775					-.3778	-.4274				
.793	.1186									
.798		-.0490								
.808			-.3342							
.834		.0238								
.839			-.3697							
.850					-.3582	-.3065	-.5679			
.857				-.3523						
.862								-.8391		
.865	-.4096									
.879		-.3603								
.900	-.2810				-.3708			-.6020		
.905			-.3700							
.919		-.3325								
.950					-.3263	-.2587	-.2679			
.953			-.3305							
.955		-.3092								
.965	-.3101									
1.000			-.2070		-.2080		-.5317			

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 (A81 LVAP/ELHL SEALED) LEFT WING TOP

(RETU20) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.400 RN/FT = 2.250
 ELV-18 = .000 ELV-08 = .000
 RUDDER = .000 SPOBRK = .000

ALPHA(1) = .017 BETA(1) = -6.173

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.0395	.0566	-.0529	.4170	.7315	.7072	.6808	.6805	.0277	
.010		.0315	-.0491	.4025	.5159	.5945	.5715	.4659		
.020		.0147	-.0406	.3075	.4158	.4536	.4437	.4112	.0259	
.040			-.0336	.1882						
.041	-.0855									
.050		.0029			.1981	.2221	.2217	.2149		
.069									-.0408	
.080					.0469					
.081				.0495						
.086			.0376							
.094		.0000								
.113	-.1314									
.150					-.1504	-.1360	.0000	-.0544		
.157									-.1861	
.163			.0900							
.177				-.0830						
.229		-.0261								
.246			-.0699							
.247	-.0486									
.250					-.2688	-.2875	-.2595	-.2367		
.274				-.2371						
.345									-.2335	
.362		.0330								
.390			-.2030							
.400					-.3750	-.4169		-.4138		
.402				-.3176						
.418									-.0583	
.429	-.0359									
.497		-.1258								
.503									-.3125	
.547	-.0545									
.550					-.3979	-.4588				
.565				-.3290						
.600								-.4706		
.637		-.3080								
.638	-.1852									
.650						-.4836				
.670									-.4479	

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(RE TV20)

DEPENDENT VARIABLE CP

DEPENDENT VARIABLE CP

[illegible]

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU20)

ALPHA(1) = .018 BETA(2) = -4.117

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.1652	-.1427	.0000	-.0587		
.157									-.2026	
.163			.0767							
.177				-.0865						
.229		-.0596								
.246			-.0733							
.247	-.0750									
.250					-.2854	-.2833	-.2419	-.2412		
.274				-.2373						
.345									-.2340	
.362		.0058								
.390			-.2042							
.400					-.3871	-.4144		-.4142		
.402				-.3229						
.418									-.1095	
.429	-.0459									
.497		-.1533								
.503									-.3089	
.547	-.0617									
.550					-.4083	-.4526				
.565				-.3337						
.600								-.4698		
.637			-.3072							
.638	-.1941									
.650							-.4621			
.670									-.4347	
.700		-.2659				-.4548				
.725					-.2762					
.727	-.2297									
.730									-.4511	
.750							-.4465	-.4257		
.760				-.0961						
.775					-.1369	-.4095				
.793	-.1522									
.798			-.0753							
.808				-.0504						
.834		-.0281								
.839			.0095							
.850					-.1016	-.1368	-.4205			
.857				.0074						
.862									-.4517	
.865	-.0197									
.879			.0376							
.900		.0475			-.0905			-.3366		
.905				.0257						

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(RETURNED)

DEPENDENT VARIABLE CP

X/CW

.919

.950

.953

, 955

.965

1.000

DEPENDENT VARIABLE CP

X/CW

1,000

010

.020

.040

.041

.050

.069

.080

.081

.086

.094

.113

.150

157
157

163
177

177
320

.229
346

246
247

.247
250

274

345.

362

.390

.400

402

.418

.429

.497

.503

.547

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU20)

ALPHA(1) = .024 BETA(3) = -2.072

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.550					-.4025	-.4497				
.565				-.3366						
.600								-.4681		
.637			-.2974							
.638	-.2069						-.4761			
.650									-.4314	
.670										
.700		-.2589				-.4410				
.725					-.1743					
.727	-.2221									
.730										-.4580
.750							-.4604	-.4471		
.760				-.0843						
.775					-.1421	-.2596				
.793	-.0372									
.798			-.0526							
.808				-.0285						
.834		-.0114								
.839			.0086							
.850					-.1003	-.1643	-.4395			
.857				.0241						
.862									-.4385	
.865		-.0366								
.879			.0199							
.900		.0207			-.0607				-.3290	
.905				.0246						
.919			-.0034							
.950					.0081	-.1301	-.3496			
.953				.0311						
.955			.0070							
.965		.0780								
1.000				-.3688		-.2644		-.3763		

ALPHA(1) = .023 BETA(4) = -.006

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2615	-.0630	-.1472	.3029	.5699	.5607	.5343	.5523	-.0710	
.010		-.1104	-.1283	.2887	.4132	.4937	.4764	.3877		
.020		-.1256	-.1040	.2150	.3326	.3734	.3677	.3437	-.0673	
.040			-.0872	.1253						
.041	-.2221									

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU20)

ALPHA(1) = .023 BETAO (4) = -.006

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8670	.9720	1.0000
X/CW										
.050		-.1318			.1459	.1725	.1698	.1704		
.069									-.1212	
.080					.0121					
.081				.0222						
.086			-.0046							
.094		.0000								
.113	-.2385									
.150					-.1526	-.1460	.0000	-.0761		
.157									-.2421	
.163			.0475							
.177				-.0945						
.229		-.0664								
.246			-.0882							
.247	-.1445									
.250					-.2801	-.2791	-.2640	-.2478		
.274				-.2359						
.345									-.2592	
.362		-.0141								
.390			-.2052							
.400					-.3523	-.4034		-.4155		
.402				-.3099						
.418										-.1586
.429	-.0667									
.497		-.1672								
.503									-.3085	
.547	-.0896									
.550					-.3761	-.4291				
.565				-.3158						
.600								-.4698		
.637			-.2825							
.638	-.2041						-.4691			
.650									-.4275	
.670										
.700		-.2471				-.4133				
.725					-.1431					
.727	-.2190									
.730									-.4652	
.750							-.4522	-.4496		
.760				-.0521						
.775					-.1194	-.1832				
.793	.0428									
.798			-.0399							
.808				-.0140						
.834		-.0079								
.839			-.0112							

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU20)

ALPHA(1) = .023 BETA(4) = -.006

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.0544	-.1324	-.4217			
.857				.0126						
.862										
.865		-.0552							-.4157	
.870			-.0147							
.900		-.0141			-.0173				-.3210	
.905				-.0089						
.919			-.0371							
.950					.0238	-.1116	-.2850			
.953				-.0057						
.955			-.0245							
.965		.0475								
1.000				-.3922		-.3204		-.3795		

X/CW

ALPHA(1) = .030 BETA(5) = 2.059

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.060	-.3177	-.1353	-.1562	.2355	.5453	.5312	.5168	.5123	-.0778	
.010		-.1724	-.1285	.2321	.3885	.4499	.4301	.3333		
.020		-.1802	-.0944	.1644	.3163	.3369	.3252	.2890	-.0893	
.040			-.0780	.0902						
.041	-.2934									
.050		-.1755			.1377	.1460	.1347	.1285		
.069									-.1413	
.080					.0060					
.081				.0110						
.086			-.0248							
.094		.0000								
.113	-.2652									
.150					-.1530	-.1489	.0000	-.1001		
.157									-.2633	
.163			.0408							
.177				-.1021						
.229		-.0806								
.246			-.0944							
.247	-.1731									
.250					-.2662	-.2820	-.2699	-.2637		
.274				-.2230						
.345									-.3048	
.362		-.0200								
.390			-.1893							

X/CW

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1832

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU20)

ALPHA0 (1) = .030 BETA0 (5) = 2.059

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.400					-.3405	-.3929		-.4205		
.402				-.2954						
.418									-.1084	
.429	-.0661									
.497		-.1651								
.503								-.3221		
.547	-.0828									
.550					-.3644	-.4145				
.565				-.2960						
.600								-.4737		
.637			-.1978							
.638	-.1993									
.650						-.4593				
.670								-.4288		
.700		-.2099				-.3857				
.725					-.1189					
.727	-.1984									
.730									-.4907	
.750							-.4326	-.4483		
.760				-.0261						
.775					-.0876	-.1616				
.793	.1194									
.798			-.0238							
.808				-.0035						
.834		-.0035								
.839			-.0197							
.850					-.0210	-.1495	-.3954			
.857				-.0026						
.862								-.4135		
.865	-.0641									
.879		-.0367								
.900	-.0408				-.0020			-.3216		
.905			-.0248							
.919		-.0543								
.950					.0188	-.0849	-.1513			
.953			-.0208							
.955		-.0398								
.965		.0232								
1.000			-.3346		-.3696		-.3791			

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1837

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU20)

ALPHA(1) = .032 BETA(6) = 4.116

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3569	-.2094	-.1535	.2121	.5332	.4991	.4664	.4614	-.0708	
.010		-.2364	-.1270	.2081	.3560	.4003	.3726	.2820		
.020		-.2379	-.1043	.1545	.2919	.2938	.2741	.2414	-.1111	
.040			-.0926	.0877						
.041	-.3352									
.050		-.2212			.1191	.1124	.0965	.0899		
.069									-.1628	
.080					-.0082					
.081				.0187						
.086			-.0428							
.094		.0000								
.113	-.2943									
.150					-.1620	-.1627	.0000	-.1208		
.157									-.2803	
.163			.0386							
.177				-.0989						
.229		-.1013								
.246			-.0875							
.247	-.2011									
.250					-.2515	-.2894	-.2820	-.2773		
.274				-.1964						
.345									-.3082	
.362		-.0155								
.390			-.1714							
.400					-.3195	-.3764		-.4263		
.402				-.2762						
.418									-.1943	
.429	-.0812									
.497		-.1517								
.503									-.3293	
.547	-.0746									
.550					-.3518	-.3913				
.565				-.2694						
.600								-.4728		
.617			-.1620							
.638	-.1902									
.650							-.4426			
.670									-.4340	
.700		-.1778				-.3252				
.725					-.0934					
.727	-.1921									
.730										-.5316
.750							-.4103	-.4433		
.760				-.0175						
.775					-.0586	-.1534				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1835

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU20)

ALPHA0 (1) = .044 BETA0 (7) = 6.175

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.250					-.2263	-.2779	-.2819	-.2794		
.274				-.1741						
.345									-.2970	
.362		-.0010								
.390			-.1570							
.400					-.3092	-.3596		-.4210		
.402				-.2558						
.418									-.2528	
.429	-.0789									
.497		-.1408								
.503									-.3273	
.547	-.0651									
.550					-.3335	-.3727				
.565				-.2422						
.600								-.4585		
.637			-.1233							
.638	-.1825									
.650							-.4197			
.670									-.4206	
.700		-.1508				-.2112				
.725					-.0509					
.727	-.1754									
.730									-.5279	
.750							-.3800	-.4192		
.760				-.0065						
.775					-.0236	-.1239				
.793	.1427									
.798			-.0174							
.808				-.0018						
.834	-.0003									
.839		-.0275								
.850					.0059	-.1065	-.2342			
.857				-.0278						
.862									-.3806	
.865	-.0631									
.879		-.0643								
.900	-.0557				-.0134			-.2949		
.905				-.0598						
.919		-.0848								
.950					-.0208	-.0283	-.0826			
.953				-.0563						
.955		-.0763								
.965	-.0218									
1.000				-.1725		-.3757		-.3676		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU21) (17 OCT 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

MACH = 1.250 RN/FT = 2.250
 ELV-18 = .000 ELV-08 = .000
 RUDDER = .000 SPDBRK = .000

ALPHA0 () = .038 BETA0 () = -6.160

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.0901	.0120	-.0939	.4124	.7102	.6977	.6660	.6940	.1494	
.010		-.0311	-.0700	.3921	.5039	.5571	.5236	.4000		
.020		-.0609	-.0188	.2757	.3975	.4032	.3638	.3417	-.0048	
.040			-.0013	.1552						
.041	-.1424									
.050		-.0853			.1564	.1544	.1475	.1278		
.069									-.0806	
.080					-.0179					
.081				.0258						
.086			.0309							
.094		.0000								
.113	-.1040									
.150					-.2278	-.2210	.0000	-.1526		
.157									-.2785	
.163			.1195							
.177				-.1545						
.229		-.0841								
.246			-.1038							
.247	-.1110									
.250					-.3578	-.3746	-.3546	-.3373		
.274				-.2946						
.345									-.3864	
.362		.0286								
.390			-.2447							
.400					-.4657	-.5193		-.5218		
.402				-.3975						
.418									-.1806	
.429	-.0688									
.497		-.1697								
.503									-.4850	
.547	-.0590									
.550					-.5028	-.5549				
.565				-.4022						
.600								-.5680		
.637			-.3636							
.638	-.2232									
.650							-.5849			
.670									-.6402	

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1838

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU21)

ALPHA(1) = .045 BETA(2) = -4.114

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.2297	-.2296	.0000	-.1663		
.157									-.2931	
.163			.1024							
.177				-.1602						
.229		-.0946								
.246			-.1159							
.247	-.1540									
.250					-.3603	-.3829	-.3665	-.3503		
.274				-.2987						
.345									-.3975	
.362		.0091								
.390			-.2535							
.400					-.4638	-.5203		-.5311		
.402				-.3969						
.418									-.2253	
.429	-.0751									
.497		-.1913								
.503									-.4883	
.547	-.0904									
.550					-.4934	-.5534				
.565				-.3880						
.600								-.5790		
.637			-.3255							
.638	-.2364									
.650							-.5881			
.670									-.6369	
.700		-.3103				-.5299				
.725					-.1192					
.727	-.2837									
.730									-.6043	
.750							-.5490	-.5304		
.760				-.0345						
.775					-.0884	-.1937				
.793	.0187									
.798		-.0038								
.808				.0292						
.834		.0161								
.839			.0433							
.850					-.0532	-.1778	-.5093			
.857				.0473						
.862									-.6978	
.865		.0047								
.879			.0278							
.900		.0142			-.0315			-.4500		
.905				.0189						

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TABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU21)

ALPHA0(1) = .045 BETA0(2) = -4.114

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.919			-.0158							
.950					.0198	-.0722	-.2120			
.953				.0189						
.955			.0310							
.965		.0832								
1.000				-.3685		-.3990		-.4813		

ALPHA0(1) = .047 BETA0(3) = -2.070

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2303	-.1005	-.0902	.3285	.6436	.6131	.5841	.5771	.0889	
.010		-.1395	-.0725	.3259	.4483	.4876	.4548	.3408		
.020		-.1636	-.0609	.2378	.3474	.3458	.3258	.2863	-.0461	
.040			-.0551	.1332						
.041	-.2423									
.050		-.1725			.1272	.1158	.1009	.0944		
.069									-.1174	
.080					-.0121					
.081				.0228						
.086			-.0180							
.094		.0000								
.113	-.1655									
.150					-.2100	-.2267	.0000	-.1774		
.157									-.2959	
.163			.0832							
.177				-.1540						
.229		-.1000								
.246			-.1157							
.247	-.1846									
.250					-.3257	-.3805	-.3693	-.3544		
.274				-.2811						
.345									-.3949	
.362		-.0150								
.390			-.2311							
.400					-.4113	-.5051		-.5267		
.402				-.3696						
.418										-.2518
.429	-.0881									
.497		-.1850								
.503									-.4761	
.547	-.0938									

ORIGINAL PAGE IS
OF POOR QUALITY

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU21)

ALPHA0 (1) = .054 BETA0 (4) = -.008

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.2190			.1009	.0831	.0734	.0706		
.069									-.1336	
.080					-.0419					
.081				.0207						
.086			-.0339							
.094		.0000								
.113	-.1889									
.150					-.2216	-.2345	.0000	-.1895		
.157									-.3088	
.163			.0788							
.177				-.1440						
.229		-.1053								
.246			-.1062							
.247	-.2124									
.250					-.3121	-.3806	-.3753	-.3684		
.274				-.2630						
.345									-.3953	
.362		-.0091								
.390			-.2114							
.400					-.3997	-.4821		-.5326		
.402				-.3604						
.418										-.2936
.429	-.1009									
.497		-.1574								
.503									-.4753	
.547	-.0721									
.550					-.4148	-.5105				
.565				-.3284						
.600								-.5730		
.637			-.1504							
.638	-.1956									
.650						-.5632				
.670									-.6106	
.700		-.1800				-.3660				
.725					-.0820					
.727	-.2409									
.730										-.6452
.750							-.5190	-.5113		
.760				-.0009						
.775					-.0369	-.1706				
.793	.1284									
.798			-.0083							
.808				.0216						
.834		-.0021								
.839			.0007							

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1842

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU21)

ALPHA(1) = .054 BETA(4) = -.008

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW .2350 .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.850				.0169	-.0993	-.3035			
.857			-.0016						
.862								-.5970	
.865	-.0434								
.879		-.0277							
.900	-.0332			-.0144				-.4062	
.905			-.0358						
.919		-.0710							
.950				-.0103	-.0216	-.0397			
.953			-.0419						
.955		-.0332							
.965	.0284								
1.000			-.3297		-.4492			-.4311	

ALPHA(1) = .082 BETA(5) = 2.056

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW .2350 .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.3955	-.2166	-.1432	.3456	.5803	.5227	.4971	.4938	.0538
.010		-.2531	-.1235	.2990	.3589	.3959	.3708	.2748	
.020		-.2655	-.1064	.2136	.2726	.2668	.2543	.2282	-.0826
.040			-.0909	.1202					
.041	-.3079								
.050		-.2560			.0786	.0625	.0556	.0501	
.069									-.1498
.080					-.0678				
.081				.0246					
.086			-.0184						
.094		.0000							
.113	-.2473								
.150					-.2259	-.2302	.0000	-.2029	
.157									-.3213
.163			.0913						
.177				-.1226					
.229		-.1145							
.246			-.0877						
.247	-.2379								
.250					-.3036	-.3618	-.3692	-.3705	
.274				-.2369					
.345									-.3980
.362		.0106							
.390			-.1974						

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU21)

ALPHA(1) = .082 BETA(5) = 2.056

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.400					-.3960	-.4696		-.5312		
.402				-.3404						
.418										-.3332
.429	-.0944									
.497		-.1454								
.503									-.4716	
.547	-.0513									
.550					-.4029	-.4899				
.565				-.2261						
.600								-.5651		
.637			-.0838							
.638	-.1954									
.650							-.5459			
.670									-.6005	
.700		-.1065				-.2150				
.725					-.0630					
.727	-.2211									
.730										-.6789
.750							-.4902	-.4856		
.760				-.0049						
.775					-.0212	-.0942				
.793	-.1508									
.798			-.0200							
.808				.0097						
.834	-.0171									
.839		-.0200								
.850					.0001	-.1235	-.1532			
.857				-.0216						
.862									-.5639	
.865	-.0639									
.879		-.0500								
.900	-.0594				-.0395			-.3655		
.905				-.0604						
.919		-.0874								
.950					-.0533	-.0497	.0320			
.953				-.0617						
.955		-.0590								
.965	-.0132									
1.000			-.2502		-.4199		-.3685			

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU21)

ALPHA0 (1) = .087 BETA0 (6) = 4.111

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.9870	.9720	1.0000	
X/CW											
.000	-.4357	-.2915	-.1533	.2956	.5489	.4913	.4660	.5196	.0057		
.010		-.3156	-.1213	.2516	.3322	.3624	.3364	.2816			
.020		-.3143	-.0887	.1881	.2529	.2390	.2236	.2320	-.1212		
.040			-.0703	.1234							
.041	-.3481										
.050		-.2743			.0691	.0439	.0692	.0590			
.069									-.1828		
.080					-.0488						
.081				.0194							
.086			-.0005								
.094		.0000									
.113	-.2935										
.150					-.1893	-.2364	.0000	-.1927			
.157									-.3393		
.163			.0858								
.177				-.0999							
.229		-.1167									
.246			-.0686								
.247	-.2429										
.250					-.2739	-.3583	-.3450	-.3569			
.274				-.2173							
.345									-.4088		
.362		.0291									
.390			-.1928								
.400					-.3585	-.4550		-.5175			
.402				-.3242							
.418										-.3680	
.429	-.0762										
.497		-.1406									
.503									-.4765		
.547	-.0388										
.550					-.2914	-.4483					
.565				-.1506							
.600								-.5346			
.637		-.0489									
.638	-.1762										
.650							-.5129				
.670								-.5930			
.700		-.0753				-.1429					
.725					.0190						
.727	-.1667										
.730										-.6924	
.750							-.3513	-.4816			
.760				.0057							
.775					.0389	-.0706					

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(RETU21)

DEPENDENT VARIABLE CP

X/CW

.793

.798

.803

.834

.839

.850

. 057

.862

.865

.879

.907

.905

.919

.950

.953

.955

955

DEPENDENT VARIABLE CP

X/CW

000

.010

.020

.040

.041

.050

.069

.080

108

.086

.094

. 113

.150

157

.163

.177
000

.229
24.7

246
247

247

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1846

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU21)

ALPHA(1) = .091 BETA(7) = 6.170

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH											
.250						-.2678	-.3358	-.3500	-.3655		
.274					-.1863						
.345										-.4047	
.362			.0484								
.390				-.1393							
.400						-.3426	-.4244		-.5151		
.402					-.2629						
.418										-.4038	
.429	-.0466										
.497		-.0951									
.503										-.4566	
.547	-.0162										
.550						-.1949	-.4203				
.565					-.0607						
.600									-.5151		
.637			.0055								
.638	-.1189										
.650							-.4791				
.670										-.5457	
.700		-.0189				-.0783					
.725					-.0042						
.727	-.1100										
.730										-.6991	
.750							-.1772	-.3810			
.760					-.0155						
.775						-.0077	-.0745				
.793	.1918										
.798			-.0252								
.808				-.0101							
.834		-.0260									
.839			-.0397								
.850						-.0096	-.1352	-.0217			
.857				-.0417							
.862										-.4509	
.865		-.0866									
.879			-.0642								
.900		-.0703				-.0649			-.0409		
.905				-.0750							
.919			-.1042								
.950					-.0771	-.0507	.1407				
.953				-.0727							
.955			-.0732								
.965		-.0480									
1.000				-.1523		-.2959		-.2941			

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1847

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU22) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 2.250
 ELV-1B = .000 ELV-0B = .000
 RUDDER = .000 SPDRK = .000

ALPHA(1) = .039 BETA(1) = -6.151

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2193	-.0911	-.0330	.5311	.7230	.6986	.6882	.6579	.0825	
.010		-.1279	-.0364	.4494	.4149	.4649	.4170	.2335		
.020		-.1555	-.0364	.3132	.2967	.2938	.2598	.1667	-.1496	
.040			-.0216	.1719						
.041	-.1967									
.050		-.1113			.0410	.0198	-.0011	-.0556		
.069									-.1376	
.080					-.1483					
.081				-.0093						
.086			.1554							
.094		.0000								
.113	-.1133									
.150					-.3525	-.3959	.0000	-.3276		
.157									-.4545	
.163			.1650							
.177				-.2292						
.229		-.0542								
.246			-.1237							
.247	-.1572									
.250					-.4730	-.5277	-.5288	-.5134		
.274				-.3914						
.345									-.5833	
.362		.0770								
.390			-.3065							
.400					-.5514	-.6620		-.7107		
.402				-.4656						
.418									-.3602	
.429	.0395									
.497		-.2029							-.1598	
.503										
.547	-.0624									
.550					-.4453	-.6373				
.565				-.1044					-.8523	
.600										
.637			-.0378							
.638	-.2632									
.650						-.6334				
.670									-.8497	

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1849

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU22)

ALPHA(1) = .042 BETA(2) = -4.101

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.3124	-.3250	.0000	-.3286		
.157									-.4555	
.163			.1669							
.177				-.1799						
.229		-.0774								
.246			-.0946							
.247	-.1673									
.250					-.4214	-.4942	-.5117	-.5068		
.274				-.3224						
.345									-.5822	
.362		.0753								
.390			-.2589							
.400					-.5111	-.6163		-.6981		
.402				-.4343						
.418									-.3886	
.429	.0109									
.497		-.1589								
.503									-.6845	
.547	-.0343									
.550					-.4050	-.5966				
.565			-.0868							
.600								-.6644		
.637			-.0101							
.638	-.2424									
.650							-.6562			
.670									-.8279	
.700		-.0071				-.1389				
.725					.0160					
.727	-.1252									
.730									-.7963	
.750							-.5401	-.4364		
.760				.0265						
.775				-.0056	-.1031					
.793	.2069									
.798			.0130							
.808				.0198						
.834		.0104								
.839			.0126							
.850					-.0253	-.0707	-.0139			
.857				-.0098						
.862									-.8868	
.865		-.0250								
.879			-.0329							
.900		-.0561			-.0307				-.2192	
.905				-.0580						

ARC11-019 LAB: LVAP (ELHL SEALED) LEFT WING TOP

(RETR22)

ALPHA0(1) = .047 BETA0 (3) = -2.062

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

[illegible]

ALPHA0(1) = .053 BETA0 (4) = -.007

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2053	-.2448	-.0594	.4291	.6049	.5572	.5505	.5444	-.0162
.010		-.2718	-.0433	.3692	.3696	.4072	.3744	.2231	
.020		-.2714	-.0052	.2659	.2711	.2582	.2420	.1654	-.1851
.040			.0311	.1605					
.041	-.2830								

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1852

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU22)

ALPHA0 (1) = .053 BETA0 (4) = -.007

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.050		-.2306			.0500	.0248	.0118	-.0385			
.069									-.2627		
.080					-.1177						
.081				.0128							
.086			.1541								
.094		.0000									
.113	-.2459										
.150					-.2888	-.3356	.0000	-.3224			
.157									-.4606		
.163			.1654								
.177				-.1448							
.229	-.0840										
.246		-.0727									
.247	-.1959										
.250					-.3736	-.4613	-.4781	-.4984			
.274				-.2851							
.345									-.5566		
.362		.0831									
.390			-.2352								
.400					-.4830	-.5690		-.6781			
.402				-.3999							
.418									-.4308		
.429	.0711										
.497		-.1966									
.503									-.6524		
.547	-.0345										
.550					-.1070	-.5228					
.565			-.0290								
.600								-.5965			
.637			.0270								
.638	-.2306										
.650							-.6138				
.670								-.7512			
.700		.0289				-.0759					
.725				-.0246							
.727	-.0406										
.730									-.8168		
.750							-.0133	-.3008			
.760			-.0253		-.0456	-.1363					
.775											
.793	.1838										
.798		-.0433									
.808			-.0313								
.834		-.0430									
.839			-.0467								

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1853

ARC11-019 1A81 LVAF (ELHL SEALED) LEFT WING TOP

(RETU22)

ALPHA0 (1) = .053 BETA0 (4) = -.007

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.0563	-.1508	.0298			
.857				-.0582						
.862									-.6349	
.865		-.0850								
.879			-.0823							
.900		-.1050			-.0903			-.2617		
.905				-.1063						
.919			-.1313							
.950					-.0259	.0643	.0886			
.953				-.0808						
.955			-.0710							
.965		-.0450								
1.000				-.3022		-.4106		-.3129		

ALPHA0 (1) = .079 BETA0 (5) = 2.058

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2640	-.3010	-.0667	.3954	.5753	.5162	.5062	.5114	-.0421	
.010		-.3212	-.0131	.3302	.3393	.3709	.3477	.2087		
.020		-.3121	.0515	.2387	.2467	.2330	.2191	.1525	-.2009	
.040			.0857	.1466						
.041	-.3262									
.050		-.2680			.0435	.0135	-.0009	-.0421		
.069									-.2705	
.080					-.1117					
.081				.0085						
.086			.1530							
.094		.0000								
.113	-.2929									
.150					-.2787	-.3223	.0000	-.3151		
.157									-.4609	
.163			.1534							
.177				-.1381						
.229		-.0328								
.246			-.0510							
.247	-.1912									
.250					-.3464	-.4127	-.4614	-.4838		
.274				-.2601						
.345									-.5514	
.362		.0843								
.390			-.2141							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU22)

ALPHA(1) = .079 BETA(5) = 2.058

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BH	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.400					-.4485	-.5361		-.6390		
.402				-.3733						
.418										-.4591
.429	.0943									
.497		-.1387								
.503									-.6251	
.547	-.0232									
.550					-.0517	-.2509				
.565				.0283						
.600								-.5181		
.637			.0631							
.638	-.2108									
.650							-.1513			
.670									-.6503	
.700		.0694				-.0799				
.725					-.0347					
.727	.0296									
.730										-.8006
.750							-.0480	-.2865		
.760				-.0460						
.775					-.0550	-.1406				
.793	.1902									
.798			-.0555							
.808				-.0470						
.834		-.0561								
.839			-.0626							
.850					-.0780	-.1902	.0092			
.857				-.0860						
.862									-.2261	
.865		-.1066								
.879			-.1019							
.900		-.1221			-.1397			-.1061		
.905				-.1294						
.919			-.1423							
.950					-.0737	.0159	.0880			
.953				-.1230						
.955			-.1057							
.965		-.0869								
1.000				-.2003		-.3602		-.3816		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1855

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU22)

ALPHA(1) = .083 BETA(6) = 4.107

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/8W	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.2876	-.3592	-.0490	.3481	.5591	.4876	.4746	.4719	-.0799	
.010		-.3871	.0202	.2879	.3277	.3483	.3165	.1827		
.020		-.3774	.0699	.2204	.2455	.2155	.1966	.1294	-.2192	
.040			.0936	.1440						
.041	-.3782									
.050		-.3025			.0505	.0025	-.0128	-.0548		
.069									-.2860	
.080					-.0830					
.081				.0398						
.086			.1430							
.094		.0000								
.113	-.3486									
.150					-.2563	-.3045	.0000	-.3105		
.157									-.4675	
.163			.1430							
.177				-.1156						
.229		.0192								
.246			-.0168							
.247	-.1987									
.250					-.3250	-.3863	-.4159	-.4774		
.274				-.2336						
.345									-.5165	
.362		.0976								
.390			-.1958							
.400					-.4058	-.5023		-.6164		
.402				-.3274						
.418										-.4813
.429	.1013									
.497		-.1092								
.503									-.5748	
.547	.0029									
.550					-.0256	-.1253				
.565			.0398							
.600								-.4788		
.637			.0617							
.638	-.1785									
.650							-.1756			
.670									-.4583	
.700		.0770				-.1108				
.725					-.0553					
.727	.0410									
.730										-.7423
.750							-.0989	-.2006		
.760				-.0661						
.775					-.0803	-.1595				

ARC11-019 1A01 LVAP(ELHL SEALED) LEFT WING TOP

(RETU22)

ALPHA0(1) = .083 BETA0 (6) = 4.107

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1856									
.798			-.0776							
.808				-.0722						
.834		-.0734								
.839			-.0906							
.850					-.1007	-.2348	-.0319			
.857				-.1098						
.862									-.0979	
.865		-.1292								
.879			-.1276							
.900		-.1346			-.1735			.0274		
.905				-.1567						
.919			-.1704							
.950					-.1378	-.0382	.0775			
.953				-.1574						
.955			-.1410							
.965		-.1214								
1.000				-.1560		-.2902		-.4435		

ALPHA0(1) = .090 BETA0 (7) = 6.163

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU22)

ALPHA0 (1) = .090 BETAO (7) = 6.163

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.250					-.3044	-.3764	-.4026	-.4512		
.274				-.2228						
.345									-.5075	
.362		.0967								
.390			-.1854							
.400					-.3665	-.4635		-.5842		
.402				-.3001						
.418										-.4683
.429	.1054									
.497		-.1093								
.503									-.5372	
.547	-.0018									
.550					-.0332	-.1048				
.565				.0222						
.600								-.4359		
.637			.0497							
.638	-.1656									
.650							-.2022			
.670									-.2510	
.700		.0679				-.1285				
.725				-.0718						
.727	.0323									
.730										-.6730
.750							-.1411	-.0917		
.760				-.0853						
.775					-.1016	-.1779				
.793	.1747									
.798			-.0963							
.808				-.0961						
.834		-.0890								
.839			-.1121							
.850					-.1268	-.2653	-.0709			
.857				-.1339						
.862									-.0469	
.865		-.1506								
.879			-.1472							
.900		-.1449			-.1955			.0623		
.905				-.1788						
.919			-.1937							
.950					-.1670	-.0855	.0594			
.953				-.1784						
.955			-.1689							
.965		-.1472								
1.000				-.1703		-.2022		-.4473		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU23) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.400 RN/FT = 2.250
 ELV-18 = .000 ELV-08 = .000
 RUDDER = .000 SPD8RK = .000

BETA0 (1) = .033 ALPHA0 (1) = -6.272

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2624	-.0423	-.0919	.1399	.4389	.3755	.3405	.3603	-.2769	
.010		-.0652	-.0702	.2599	.5110	.5169	.5174	.4814		
.020		-.0850	-.0554	.2473	.4517	.4505	.4655	.4631	-.1543	
.040			-.0468	.2027						
.041	-.1669									
.050		-.0961			.2901	.3029	.3252	.3361		
.069									-.1562	
.080					.1578					
.081				.1434						
.086			.0370							
.094		.0000								
.113	-.1221									
.150					-.0132	.0143	.0000	.0906		
.157									-.2286	
.163			.1495							
.177				.0209						
.229		-.0199								
.246			-.0191							
.247	-.0763									
.250					-.1262	-.1129	-.0853	-.0837		
.274				-.0975						
.345									-.2338	
.362		.0651								
.390			-.0935							
.400					-.2380	-.2501		-.2822		
.402				-.2060						
.418									-.1647	
.429	-.0117									
.497		-.0937								
.503									-.2512	
.547	-.0158									
.550					-.2684	-.2922				
.565				-.1742						
.600								-.3652		
.637			-.0059							
.638	-.1409									
.650							-.3237			
.670									-.2843	

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU23)

BETA0 (1) = .033 ALPHA0(1) = -6.272

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.700		-.0193				-.1417				
.725					.0273					
.727	-.1069									
.730										-.2132
.750							-.3055	-.3436		
.760				.0543						
.775					.0685	-.0272				
.793	.2235									
.798			.0424							
.808				.1196						
.834		.0583								
.839			.0847							
.850					.1219	.0066	-.1559			
.857				.0958						
.862									-.2147	
.865		.0043								
.879			.0679							
.900		.0654			.0847			-.2463		
.905				.0601						
.919			.0134							
.950					.0789	.0811	.0069			
.953				.0507						
.955			.0607							
.965		.1076								
1.000				-.3364		-.3479		-.2766		

BETA0 (1) = .011 ALPHA0(2) = -4.160

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2709	-.0500	-.0916	.1772	.4826	.4433	.4286	.4395	-.3502	
.010		-.0829	-.0733	.2565	.4792	.5149	.5189	.4646		
.020		-.1036	-.0626	.2204	.4133	.4268	.4461	.4364	-.1254	
.040			-.0531	.1636						
.041	-.2396									
.050		-.1182			.2509	.2821	.2803	.2900		
.069									-.1508	
.080					.1117					
.081				.1078						
.086			.0205							
.094		.0000								
.113	-.1532									

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU23)

BETA0 (1) = .011 ALPHAD(2) = -4.160

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.0642	-.0469	.0000	.0417		
.157									-.2411	
.163			.1141							
.177				-.0237						
.229		-.0382								
.246			-.0456							
.247	-.1123									
.250					-.1615	-.1695	-.1499	-.1449		
.274				-.1410						
.345									-.2531	
.362		.0326								
.390			-.1297							
.400					-.2636	-.3013		-.3263		
.402				-.2373						
.418									-.1213	
.429	-.0364									
.497		-.1255								
.503									-.2757	
.547	-.0500									
.550					-.3028	-.3305				
.565				-.2317						
.600								-.3990		
.637			-.1079							
.638	-.1715									
.650							-.3700			
.670									-.3054	
.700		-.1306				-.3054				
.725					-.0281					
.727	-.1736									
.730									-.2025	
.750							-.3402	-.3789		
.760				.0260						
.775					.0054	-.0938				
.793	.1826									
.798			.0174							
.808				.0609						
.834		.0326								
.839			.0375							
.850					.0869	-.0566	-.3086			
.857				.0735						
.862									-.2475	
.865	-.0333									
.879			.0435							
.900		.0422			.0737			-.2901		
.905				.0418						

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TABLE A - PRESSURE SOURCE DATA TABULATION

PAGE 1861

ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN)

BETA0 (1) = .011 ALPHA0(2) = -4.160

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.919			-.0012							
.950					.0762	.0350	-.0808			
.953				.0327						
.955			.0347							
.965		.0872								
1.000				-.3622		-.3513		-.3103		

BETA0 (1) = -.007 ALPHA0(3) = -2.069

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1863

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU23)

BETA0 (1) = -.022 ALPHA0 (4) = .024

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.1322			.1456	.1682	.1695	.1649		
.069									-.1234	
.080					.0054					
.081				.0194						
.086			-.0064							
.094		.0000								
.113	-.2350									
.150					-.1595	-.1533	.0000	-.0794		
.157									-.2445	
.163			.0440							
.177				-.0989						
.229		-.0708								
.246			-.0897							
.247	-.1437									
.250					-.2851	-.2855	-.2655	-.2536		
.274				-.2370						
.345									-.2621	
.362		-.0161								
.390			-.2091							
.400					-.3646	-.4093		-.4204		
.402				-.3112						
.418									-.1558	
.429	-.0675									
.497		-.1690								
.503									-.3126	
.547	-.0901									
.550					-.3918	-.4350				
.565				-.3168						
.600								-.4743		
.637			-.2838							
.638	-.2062									
.650							-.4711			
.670								-.4318		
.700		-.2485				-.4177				
.725					-.1469					
.727	-.2205									
.730									-.4706	
.750							-.4530	-.4535		
.760				-.0539						
.775					-.1254	-.1862				
.793	.0446									
.798			-.0427							
.808				-.0155						
.834		-.0108								
.839			-.0150							

ORIGINAL PAGE IS
OF POOR QUALITY

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU23)

BETA0 (1) = -.022 ALPHA0(4) = .024

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.0603	-.1375	-.4238			
.857				.0111						
.862									-.4182	
.865		-.0562								
.879			-.0165							
.900		-.0183			-.0223			-.3258		
.905				-.0107						
.919			-.0408							
.950					.0173	-.1173	-.2805			
.953				-.0070						
.955			-.0266							
.965		.0417								
1.000				-.3926		-.3232		-.3816		

BETA0 (1) = -.018 ALPHA0(5) = 2.134

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2374	-.0683	-.2049	.2941	.6113	.6138	.6106	.5910	.0796	
.010		-.1262	-.1702	.2462	.3621	.4497	.4299	.2966		
.020		-.1423	-.1050	.1689	.2793	.3197	.3096	.2405	-.0627	
.040			-.0810	.0724						
.041	-.2129									
.050		-.1451			.0810	.1086	.1068	.0654		
.069									-.1132	
.080					-.0590					
.081				-.0426						
.086			-.0287							
.094		.0000								
.113	-.2814									
.150					-.2310	-.2147	.0000	-.1488		
.157									-.2543	
.163			.0296							
.177				-.1464						
.229		-.0915								
.246			-.1185							
.247	-.1556									
.250					-.3272	-.3465	-.3153	-.3065		
.274				-.2753						
.345									-.3240	
.362		-.0287								
.390			-.2355							

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1885

ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING TOP

(RETU23)

BETA0 (1) = -.018 ALPHA0(5) = 2.134

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.400					-.4104	-.4556		-.4571		
.402				-.3427						
.418									-.3101	
.429	-.0785									
.497		-.1838								
.503								-.4011		
.547	-.0900									
.550					-.4208	-.4858				
.565				-.3489						
.600								-.4990		
.637			-.3219							
.638	-.2352									
.650							-.5031			
.670								-.5270		
.700		-.2795				-.4789				
.725					-.1914					
.727	-.2489									
.730									-.6119	
.750							-.4804	-.4574		
.760				-.1112						
.775					-.1650	-.2476				
.793	-.0537									
.798		-.0805								
.808			-.0605							
.834	-.0362									
.839		-.0288								
.850					-.1333	-.1842	-.4559			
.857				-.0144						
.862								-.5536		
.865	-.0632									
.879		-.0171								
.900	-.0070				-.0928			-.3887		
.905				-.0220						
.919		-.0433								
.950				-.0310	-.1587	-.3632				
.953		-.0398		-.0179						
.955										
.965	.0325									
1.000			-.3909		-.3028		-.4320			

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1866

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU23)

BETA0 (1) = -.008 ALPHA0(6) = 4.218

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.2089	-.0840	-.1778	.2718	.6513	.6539	.6304	.5908	.0369		
.010		-.1508	-.1892	.1922	.2841	.3693	.3293	.1865			
.020		-.1625	-.1756	.1040	.2005	.2297	.2060	.1252	-.1537		
.040			-.1592	.0121							
.041	-.2271										
.050		-.1424			.0021	.0220	.0079	-.0355			
.069									-.1896		
.080					-.1257						
.081				-.0984							
.086			-.0763								
.094		.0000									
.113	-.2890										
.150					-.3020	-.2887	.0000	-.2343			
.157									-.3195		
.163			-.0016								
.177				-.1993							
.229		-.1328									
.246			-.1536								
.247	-.1517										
.250					-.3735	-.4081	-.3838	-.3665			
.274				-.3184							
.345									-.4192		
.362		-.0389									
.390			-.2608								
.400					-.4546	-.5030		-.4926			
.402				-.3766							
.418										-.4688	
.429	-.0800										
.497		-.1996									
.503									-.4871		
.547	-.0985										
.550					-.4582	-.5300					
.565				-.3775							
.600								-.5251			
.637			-.3469								
.638	-.2529										
.650							-.5404				
.670									-.5742		
.700		-.3050				-.5117					
.725					-.2243						
.727	-.2686										
.730										-.6557	
.750							-.5152	-.4935			
.760				-.1677							
.775					-.1589	-.4203					

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(RETU23)

.248
2.7

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1869

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU23)

BETA0 (1) = -.002 ALPHA0(7) = 5.273

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4087	-.4318	-.4114	-.3953		
.274				-.3391						
.345									-.4641	
.362		-.0446								
.390			-.2741							
.400					-.4737	-.5224		-.5114		
.402				-.3869						
.418										-.5084
.429	-.0860									
.497		-.2007								
.503									-.5226	
.547	-.1052									
.550					-.4814	-.5463				
.565				-.3817						
.600								-.5408		
.637			-.3579							
.638	-.2563									
.650							-.5371			
.670									-.6476	
.700		-.3143				-.5255				
.725					-.3120					
.727	-.2801									
.730										-.6660
.750							-.5300	-.5166		
.760				-.1870						
.775					-.1737	-.4604				
.793	-.1280									
.798			-.1575							
.808				-.1451						
.834		-.0654								
.839			-.0979							
.850					-.1230	-.2957	-.5202			
.857				-.0957						
.862									-.6736	
.865		-.0843								
.879			-.0652							
.900	-.0309				-.1224			-.4730		
.905				-.0647						
.919			-.0557							
.950				-.1270	-.1593	-.4440				
.953				-.0407						
.955			-.0582							
.965		.0026								
1.000				-.2841		-.3610		-.4734		

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1869

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU24) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 97.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.250 RN/FT = 2.250
 ELV-19 = .000 ELV-08 = .000
 RUDDER = .000 SPDGRK = .000

BETA0 (1) = .028 ALPHA0(1) = -6.248

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2841	-.1201	-.2029	.1839	.4565	.3945	.3462	.3589	-.3054	
.010		-.1423	-.1661	.3017	.5370	.5327	.5184	.4776		
.020		-.1664	-.1409	.2890	.4766	.4593	.4592	.4513	-.1971	
.040			-.1303	.2419						
.041	-.2321									
.050		-.1671			.3143	.3039	.3065	.3154		
.069									-.2120	
.080					.1775					
.081				.1433						
.086			.0006							
.094		.0000								
.113	-.1740									
.150					-.0165	-.0154	.0000	.0453		
.157									-.2934	
.163			.1556							
.177				.0338						
.229		-.0594								
.246			-.0266							
.247	-.1128									
.250					-.1441	-.1619	-.1543	-.1673		
.274				-.1047						
.345									-.2870	
.362		.0417								
.390			-.1112							
.400					-.2818	-.3046		-.3736		
.402				-.2317						
.418									-.1834	
.429	-.0573									
.497		-.1056								
.503									-.3133	
.547	-.0361									
.550					-.0143	-.3382				
.565				.0835						
.600								-.4501		
.637			.1175							
.638	-.1157									
.650							-.3146			
.670									-.3523	

ORIGINAL PAGE IS
OF POOR QUALITY

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1871

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU24)

BETA0 (1) = .001 ALPHA0(2) = -4.131

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.0794	-.0886	.0000	-.0376		
.157									-.2967	
.163			.1212							
.177				-.0206						
.229		-.0850								
.246			-.0562							
.247	-.1588									
.250					-.2034	-.2129	-.2049	-.2246		
.274				-.1557						
.345									-.3155	
.362		.0068								
.390			-.1395							
.400					-.3210	-.3592		-.4265		
.402				-.2731						
.418									-.1366	
.429	-.0851									
.497		-.1291								
.503									-.3314	
.547	-.0574									
.550					-.1722	-.4038				
.565				-.0066						
.600								-.5028		
.637			.0566							
.638	-.1455									
.650							-.4589			
.670									-.4026	
.700		.0646				-.0768				
.725					.0653					
.727	-.0123									
.730									-.2607	
.750							-.2049	-.4542		
.760				.0581						
.775					.0675	-.0199				
.793	.2108									
.798			.0337							
.808				.0657						
.834		.0278								
.839			.0395							
.850					.0552	-.0546	-.0497			
.857				.0365						
.862									-.3269	
.865	-.0059									
.879		.0088								
.900	-.0091				-.0068				-.0398	
.905				-.0042						

ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU24)

BETA0 (1) = -.012 ALPHA0(3) = -2.038

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CN

.550				- .3509	- .4479		
.565			- .1434				
.600						- .5282	
.637		- .0175					
.638	- .1702						
.650						- .5128	
.670							- .4808
.700		- .0196			- .1657		
.725				- .0168			
.727	- .1165						
.730							
.750						- .4523	- .4803
.760			.0186				
.775				.0253	- .0763		
.793	.1806						
.798		.0019					
.808			.0392				
.834		- .0059					
.839		.0094					
.850				.0319	- .0891	- .1097	
.857			.0129				
.862							- .4294
.865		- .0480					
.879		- .0129					
.900		- .0318		- .0171		- .3068	
.905			- .0232				
.919		- .0556					
.950				- .0200	- .0025	.0306	
.953			- .0322				
.955		- .0097					
.965		.0279					
1.000			- .3195		- .4589	- .2963	

BETA0 (1) = -.024 ALPHA0(4) = .059

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.060	-.3271	-.1510	-.1685	.3607	.6167	.5742	.5400	.5359	.0738
.010		-.1904	-.0913	.3313	.4028	.4442	.4153	.3120	
.020		-.2123	-.0780	.2331	.3103	.3066	.2905	.2606	-.0559
.040			-.0690	.1278					
.041	-.2791								

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU241)

BETA0 (1) = -.024 ALPHA0(4) = .059

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.2212			.1015	.0882	.0783	.0735		
.069									-.1250	
.080					-.0505					
.081				.0226						
.086			-.0325							
.094		.0000								
.113	-.1933									
.150					-.2276	-.2321	.0000	-.1876		
.157									-.3032	
.163			.0787							
.177				-.1388						
.229		-.1098								
.246			-.1065							
.247	-.2139									
.250					-.3236	-.3767	-.3700	-.3642		
.274				-.2606						
.345									-.3883	
.362		-.0126								
.390			-.2119							
.400					-.4127	-.4772		-.5291		
.402				-.3535						
.418									-.2819	
.429	-.1044									
.497		-.1647								
.503									-.4686	
.547	-.0735									
.550					-.4284	-.5053				
.565				-.3224						
.600								-.5688		
.637			-.1488							
.638	-.1993									
.650						-.5583				
.670								-.6040		
.700		-.1940				-.3626				
.725					-.0923					
.727	-.2393									
.730									-.6388	
.750							-.5161	-.5088		
.760				.0016						
.775					-.0448	-.1664				
.793	.1284									
.798			-.0050							
.808				.0235						
.834		-.0059								
.839			.0012							

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1875

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU24)

BETA0 (1) = -.024 ALPHAO(4) = .059

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.850					.0087	-.0901	-.2928			
.857				.0013						
.862									-.5881	
.865		-.0486								
.879			-.0273							
.900		-.0378			-.0222			-.4040		
.905				-.0339						
.919			-.0690							
.950					-.0222	-.0192	-.0373			
.953				-.0394						
.955			-.0321							
.965		.0222								
1.000				-.3249		-.4457		-.4262		

BETA0 (1) = -.019 ALPHAO(5) = 2.162

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.3167	-.1728	-.1446	.3430	.6331	.6078	.5869	.5903	.0113	
.010		-.2106	-.1404	.2691	.3034	.3717	.3356	.2105		
.020		-.2173	-.1172	.1642	.2170	.2253	.2052	.1441	-.1727	
.040			-.1068	.0606						
.041	-.3081									
.050		-.1724			.0167	.0048	-.0096	-.0410		
.069									-.2216	
.080					-.1341					
.081				-.0605						
.086			-.0365							
.094		.0000								
.113	-.2158									
.150					-.3033	-.3293	.0000	-.2648		
.157									-.3841	
.163			.0465							
.177				-.2041						
.229		-.1305								
.246			-.1417							
.247	-.2027									
.250					-.4048	-.4521	-.4420	-.4206		
.274				-.3153						
.345									-.4827	
.362		-.0263								
.390			-.2498							

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IA81A - PRESSURE SOURCE DATA TABULATION

PAGE 1876

ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU24)

BETA0 (1) = -.019 ALPHA0(5) = 2.162

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.400					-.4561	-.5571		-.5775		
.402				-.3998						
.418										-.4723
.429	-.1006									
.497		-.1928								
.503									-.5678	
.547	-.0904									
.550					-.4790	-.5638				
.565				-.3733						
.600								-.6124		
.637			-.2692							
.638	-.2316									
.650							-.5934			
.670								-.6928		
.700		-.2996				-.5040				
.725					-.0989					
.727	-.2847									
.730										-.7721
.750							-.5733	-.5664		
.760				-.0370						
.775					-.0832	-.2300				
.793	.0668									
.798		-.0332								
.808				.0007						
.834	-.0225									
.839		-.0061								
.850					-.0659	-.2135	-.4750			
.857				-.0069						
.862								-.7963		
.865	-.0628									
.879		-.0293								
.900	-.0375				-.0646			-.4867		
.905				-.0409						
.919		-.0778								
.950					-.0344	.0124	-.2543			
.953				-.0512						
.955		-.0487								
.965	.0031									
1.000				-.3210		-.4857		-.5294		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1877

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU24)

BETA0 (1) = -.013 ALPHA0(6) = 4.248

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3211	-.1719	-.2448	.3259	.6309	.6218	.6141	.5741	-.0982	
.010		-.2208	-.2125	.1943	.1965	.2804	.2410	.0718		
.020		-.2154	-.1676	.0875	.1185	.1327	.1077	-.0013	-.3247	
.040			-.1449	-.0148						
.041	-.3284									
.050		-.1773			-.0801	-.0805	-.1032	-.1633		
.069									-.3514	
.080					-.2185					
.081				-.1426						
.086			-.0729							
.094		.0000								
.113	-.2119									
.150					-.3995	-.4035	.0000	-.3679		
.157									-.4767	
.163			.0118							
.177				-.2532						
.229		-.1438								
.246			-.1711							
.247	-.1843									
.250					-.4784	-.5260	-.5091	-.4953		
.274				-.3619						
.345									-.5887	
.362		-.0258								
.390			-.2852							
.400					-.5159	-.6167		-.6291		
.402				-.4250						
.418									-.6217	
.429	-.1005									
.497		-.2102								
.503									-.6544	
.547	-.0938									
.550					-.5153	-.6198				
.565				-.4101						
.600								-.6580		
.637			-.3331							
.638	-.2580									
.650							-.6267			
.670								-.7852		
.700		-.3445				-.5785				
.725				-.1641						
.727	-.3144									
.730									-.8152	
.750							-.6257	-.6221		
.760			-.1118							
.775					-.1021	-.1925				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1878

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU24)

BETA0 (1) = -.013 ALPHA0(6) = 4.248

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP					
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW									
.793	.0456								
.798			-.0858						
.808				-.0462					
.834	-.0462								
.839			-.0241						
.850					-.0706	-.1950	-.5072		
.857				-.0285					
.862								-.8255	
.865	-.0867								
.879		-.0357							
.900	-.0277				-.0870			-.5579	
.905			-.0503						
.919		-.0877							
.950					-.0905	-.0980	-.3427		
.953			-.0542						
.955		-.0603							
.965	-.0153								
1.000			-.2780		-.3916		-.5678		

BETA0 (1) = .001 ALPHA0(7) = 6.352

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP					
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW									
.000	-.2942	-.1800	-.3302	.2342	.5969	.6158	.6054	.5344	-.2187
.010		-.2439	-.3221	.0529	.0661	.1766	.1266	-.0843	
.020		-.2363	-.2680	-.0317	-.0218	.0356	-.0044	-.1301	-.4804
.040			-.2298	-.1240					
.041	-.2980								
.050		-.1962			-.1936	-.1800	-.2070	-.2866	
.069									-.4871
.080					-.3179				
.081				-.2385					
.086			-.1263						
.094		.0000							
.113	-.1949								
.150					-.4996	-.4787	.0000	-.4585	
.157									-.5761
.163			-.0477						
.177				-.3235					
.229		-.1777							
.246			-.2176						
.247	-.1828								

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1879

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU24)

BETA0 (1) = .001 ALPHA0(7) = 6.352

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5491	-.5918	-.5746	-.5666		
.274				-.4133						
.345								-.6746		
.362		-.0337								
.390			-.3221							
.400					-.5804	-.6829		-.6798		
.402				-.4583						
.418									-.6849	
.429	-.1071									
.497		-.2377								
.503								-.7343		
.547	-.1157									
.550					-.5570	-.6572				
.565				-.4409						
.600								-.6604		
.637			-.4055							
.638	-.2980									
.650							-.6601			
.670								-.8382		
.700		-.3869				-.6460				
.725					-.2028					
.727	-.3502									
.730									-.8411	
.750							-.6197	-.6598		
.760				-.1861						
.775					-.1593	-.2803				
.793	.0129									
.798			-.1409							
.808				-.1265						
.834		-.0634								
.839			-.0658							
.850					-.1340	-.1870	-.5317			
.857				-.0700						
.862								-.8426		
.865	-.1148									
.879		-.0577								
.900	-.0317				-.1362			-.5511		
.905				-.0731						
.919			-.0991							
.950					-.1303	-.1338	-.4477			
.953			-.0699							
.955		-.0736								
.965	-.0487									
1.000				-.2125		-.2961		-.5167		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1880

ARC11-019 IAB1 LVAP(ELML SEALED) LEFT WING TOP

(RETU25) (17 OCT 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

MACH = 1.100 RN/FT = 2.250
 ELV-18 = .000 ELV-08 = .000
 RUDDER = .000 SPDBRK = .000

BETA0 (1) = .018 ALPHA0(1) = -6.220

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3200	-.2250	-.0635	.3320	.4645	.3478	.2906	.2951	-.1246	
.010		-.2362	-.0281	.4166	.5291	.5165	.5151	.4829		
.020		-.2510	.0070	.3859	.4611	.4399	.4665	.4531	-.1276	
.040			.0369	.3169						
.041	-.3268									
.050		-.1724			.2831	.2756	.3137	.3190		
.069					.1292				-.1692	
.080										
.081				.2137						
.086			.1822							
.094		.0000								
.113	-.2957									
.150					-.0603	-.0123	.0000	.0232		
.157									-.1985	
.163			.2609							
.177				-.0026						
.229		-.0766								
.246			.0578							
.247	-.1248									
.250					-.1477	-.1874	-.1624	-.1869		
.274				-.1215						
.345									-.1651	
.362		.1397								
.390			-.1013							
.400					.0284	-.0329		-.2704		
.402				-.0592						
.418									-.1473	
.429	.0548									
.497		-.0719								
.503									-.1881	
.547	.0494									
.550					.0589	-.0678				
.565				.1437						
.600								-.2545		
.637			.1733							
.638	-.0036									
.650						-.1818				
.670									-.1594	

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1891

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU25)

BETA0 (1) = .018 ALPHA0(1) = -6.220

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.700		.1990				-.0620				
.725					.0043					
.727	.1906									
.730										-.2279
.750							-.1084	-.1039		
.760				-.0103						
.775					-.0161	-.1261				
.793	.2878									
.798		-.0123								
.808				-.0070						
.834	-.0064									
.839		-.0133								
.850					-.0503	-.1975	-.0307			
.857				-.0343						
.862									.0999	
.865	-.0634									
.879		-.0518								
.900	-.0631				-.1129			.1393		
.905				-.0871						
.919		-.1050								
.950					-.0677	.0084	.1197			
.953				-.0714						
.955		-.0346								
.965	-.0071									
1.000				-.2763		-.3654		-.3944		

BETA0 (1) = .000 ALPHA0(2) = -4.109

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2999	-.2271	-.0370	.3819	.5128	.4101	.3566	.3686	-.1347	
.010		-.2490	-.0061	.4159	.4900	.4837	.4653	.4027		
.020		-.2682	.0316	.3590	.4119	.3807	.3750	.3656	-.1056	
.040			.0605	.2742						
.041	-.3164									
.050		-.1864			.2173	.1857	.1917	.1921		
.069									-.1745	
.080					.0609					
.081				.1527						
.086			.1844							
.094		.0000								
.113	-.2823									

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1A91A - PRESSURE SOURCE DATA TABULATION

PAGE 1882

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU25)

BETA0 (1) = .000 ALPHA0(2) = -4.109

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.1406	-.1535	.0000	-.1160		
.157									-.3242	
.163			.2338							
.177				-.0412						
.229		-.0691								
.246			.0172							
.247	-.1379									
.250					-.2536	-.3048	-.3169	-.3183		
.274				-.1903						
.345									-.3349	
.362		.1243								
.390			-.1602							
.400					-.3432	-.4045		-.4920		
.402				-.2906						
.418									-.1621	
.429	.0706									
.497		-.0972								
.503									-.3599	
.547	.0242									
.550					.0466	-.0275				
.565				.1248						
.600								-.2047		
.637			.1415							
.638	-.1453									
.650						-.1450				
.670								-.0649		
.700		.1669				-.0525				
.725					.0014					
.727	.1437									
.730									-.2079	
.750							-.0735	.0129		
.760				-.0122						
.775					-.0213	-.1170				
.793	.2512									
.798		-.0213								
.808			-.0122							
.834		-.0153								
.839			-.0199							
.850					-.0497	-.1788	.0336			
.857				-.0422						
.862									.0578	
.865	-.0596									
.879		-.0614								
.900	-.0779				-.1109			.1312		
.905			-.0990							

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(RE TU25)

[illegible]

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1884

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU25)

BETA0 (1) = -.015 ALPHA0(3) = -2.020

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.550

.565

.600

.637

.638

.650

.670

.700

.725

.727

.730

.750

.760

.775

.793

.798

.808

.834

.839

.850

.857

.862

.865

.879

.900

.905

.919

.950

.953

.955

.965

1.000

.0799

.0083 -.0711

-.4189

.1023

-.0939

-.2643

.1114

.0023 -.0494

.0722

-.5172

-.0161 -.1266

-.0210

-.0265 -.1324

.2213

-.0292

-.0186

-.0216

-.0302

-.0550 -.1612 .0399

-.0514

-.0580

-.0611

-.0746

-.0901

.0458

-.0902

-.0985

-.1097

-.0125 .0610 .1224

-.0736

-.0608

-.0331

-.2764

-.3989

-.3189

BETA0 (1) = -.024 ALPHA0(4) = .066

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000

.010

.020

.040

.041

-.2131

-.2520

-.0673

.4223

.5989

.5515

.5406

.5423

-.0173

-.2790

-.0487

.3609

.3606

.3994

.3687

.2232

-.2763

-.0102

.2584

.2632

.2527

.2351

.1641

-.1858

.0235

.1551

-.2899

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1885

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU25)

BETA0 (1) = -.024 ALPHA0(4) = .066

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		-.2364			.0456	.0170	.0038	-.0390		
.069									-.2585	
.080					-.1314					
.081				.0047						
.086			.1473							
.094		.0000								
.113	-.2530									
.150					-.2955	-.3384	.0000	-.3219		
.157									-.4595	
.163			.1589							
.177				-.1511						
.229		-.0866								
.246			-.0793							
.247	-.1939									
.250					-.3847	-.4651	-.4845	-.4963		
.274				-.2901						
.346									-.5571	
.362		.0784								
.390			-.2437							
.400					-.4922	-.5715		-.6764		
.402				-.4081						
.418									-.4325	
.429	.0691									
.497		-.1613								
.503									-.6527	
.547	-.0357									
.550					-.0986	-.4776				
.565				-.0175						
.600								-.5805		
.637			.0445							
.638	-.2337									
.650						-.6124				
.670								-.7395		
.700		.0356				-.0677				
.725					-.0249					
.727	-.0265									
.730									-.9187	
.750						-.0233	-.3084			
.760				-.0213						
.775					-.0399	-.1396				
.793	.1881									
.798			-.0384							
.808				-.0250						
.834		-.0401								
.839			-.0442							

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU25)

BETA0 (1) = -.024 ALPHA0(4) = .066

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.0634	-.1507	.0284			
.857				-.0617						
.862									-.5419	
.865		.0853								
.879			-.0848							
.900		-.1084			-.0939				-.2523	
.905				-.1038						
.919			-.1216							
.950					-.0198	.0620	.0831			
.953				-.0837						
.955			-.0738							
.965		-.0500								
1.000				-.2846		-.4100			-.3260	

BETA0 (1) = -.019 ALPHA0(5) = 2.167

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1831	-.2265	-.1407	.4028	.6123	.5906	.5857	.5391	-.0854	
.010		-.2647	-.1118	.2989	.2594	.3175	.2627	.0730		
.020		-.2749	-.0536	.1793	.1595	.1568	.1199	.0013	-.3069	
.040			-.0124	.0618						
.041	-.2833									
.050		-.2630			-.0545	-.0834	-.1171	-.1931		
.069									-.3623	
.080					-.2128					
.081				-.0712						
.086			.1035							
.094		.0000								
.113	-.2522									
.150					-.3714	-.3973	.0000	-.4088		
.157									-.5496	
.163			.1139							
.177				-.2185						
.229		-.1037								
.246			-.1296							
.247	-.2323									
.250					-.4596	-.5528	-.5758	-.5746		
.274				-.3525						
.345									-.6683	
.362		.0551								
.390			-.2892							

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1987

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU25)

BETA0 (1) = -.019 ALPHA0(5) = 2.167

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.400					-.5353	-.6386		-.7493		
.402				-.4440						
.418										-.6244
.429	.0631									
.497		-.1989								
.503									-.7657	
.547	-.0695									
.550					-.3339	-.6104				
.565				-.1148						
.600								-.7005		
.637			-.0540							
.638	-.2722									
.650							-.6913			
.670									-.8905	
.700		-.0425				-.1207				
.725					-.0522					
.727	-.1470									
.730										-.9377
.750							-.3107	-.4545		
.760				-.0358						
.775					-.0740	-.1210				
.793	.1693									
.798			-.0529							
.808				-.0456						
.834		-.0568								
.839			-.0573							
.850					-.0961	-.1648	-.0187			
.857				-.0864						
.862									-.9301	
.865	-.1071									
.879		-.0976								
.900	-.1153				-.1263			-.2910		
.905			-.1303							
.919			-.1523							
.950					-.0717	.0492	.0146			
.953				-.1224						
.955		-.1072								
.965	-.0826									
1.000			-.2756		-.3837			-.3894		

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IA81A - PRESSURE SOURCE DATA TABULATION

PAGE 1888

ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU25)

BETA0 (1) = -.015 ALPHA0(6) = 4.256

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.1372	-.2141	-.2395	.3615	.6078	.5927	.5741	.4913	-.2273		
.010		-.2771	-.1852	.2202	.1533	.2151	.1352	-.0836			
.020		-.2845	-.1110	.0955	.0601	.0551	-.0093	-.1656	-.4948		
.040			-.0636	-.0171							
.041	-.2609										
.050		-.2700			-.1461	-.1774	-.2363	-.3311			
.069									-.5164		
.080					-.2874						
.081				-.1493							
.086			.0607								
.094		.0000									
.113	-.2498										
.150					-.4396	-.5242	.0000	-.5356			
.157									-.6520		
.163			.0686								
.177				-.2868							
.229		-.0984									
.246			-.1763								
.247	-.2502										
.250					-.5131	-.6267	-.6604	-.6571			
.274				-.4062							
.345									-.7788		
.362		.0485									
.390			-.3330								
.400					-.5729	-.7214		-.7993			
.402				-.4965							
.418										-.7980	
.429	.0718										
.497		-.2246									
.503									-.8533		
.547	-.0897										
.550					-.4822	-.7106					
.565				-.1877							
.600								-.7598			
.637			-.1378								
.638	-.3129										
.650							-.7629				
.670									-.9498		
.700		-.1315				-.2261					
.725					-.2591						
.727	-.3098										
.730										-.9565	
.750							-.5933	-.5565			
.760				-.0603							
.775				-.0813	-.1747						

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1889

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU25)

BETA0 (1) = -.015 ALPHA0(6) = 4.256

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1615									
.798			-.0729							
.808				-.0603						
.834		-.0542								
.839			-.0705							
.850					-.0979	-.1662	-.2795			
.857				-.0930						
.862									-.8619	
.865		-.1275								
.879			-.1076							
.900		-.1021			-.1232			-.3645		
.905				-.1386						
.919			-.1729							
.950					-.0996	.0155	-.0934			
.953				-.1366						
.955			-.1272							
.965		-.1004								
1.000				-.2332		-.3590		-.3946		

BETA0 (1) = .000 ALPHA0(7) = 6.355

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1333	-.2511	-.4171	.2809	.5836	.5667	.5427	.4321	-.3737	
.010		-.3181	-.3218	.1172	.0341	.0814	-.0113	-.2434		
.020		-.3208	-.1928	-.0046	-.0490	-.0712	-.1455	-.3222	-.6846	
.040			-.1412	-.0946						
.041	-.2741									
.050		-.2938			-.2487	-.2876	-.3554	-.4801		
.069									-.6904	
.080					-.3989					
.081				-.2428						
.086			-.0053							
.094		.0000								
.115	-.2653									
.150					-.5830	-.6159	.0000	-.6429		
.157									-.7404	
.163			.0185							
.177				-.3561						
.229		-.1246								
.246			-.2269							
.247	-.2630									

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1890

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU25)

BETA0 (1) = .000 ALPHA0(7) = 6.355

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.6156	-.7366	-.7407	-.7473		
.274				-.4639						
.345									-.7763	
.362		.0221								
.390			-.3776							
.400					-.6545	-.8062		-.8006		
.402				-.5282						
.418										-.7964
.429	.0603									
.497		-.2702								
.503									-.7770	
.547	-.1252									
.550					-.4713	-.7828				
.565				-.2920						
.600								-.7959		
.637			-.2334							
.638	-.3676									
.650							-.7709			
.670									-.7622	
.700		-.2868				-.5989				
.725					-.1199					
.727	-.3845									
.730										-.7383
.750							-.6603	-.6888		
.760				-.1091						
.775					-.1350	-.2409				
.793	.1490									
.798			-.1074							
.808				-.0771						
.834		-.0689								
.839			-.0933							
.850					-.1638	-.2155	-.5300			
.857				-.0939						
.862									-.7442	
.865		-.1565								
.879			-.1112							
.900		-.0947			-.1682			-.6287		
.905				-.1457						
.919			-.1827							
.950					-.1333	-.0400	-.4298			
.953				-.1447						
.955			-.1318							
.965		-.1280								
1.000				-.1851		-.3260		-.5970		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1891

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETURN) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 975.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .900 RN/FT = 2.250
 ELV-18 = .000 ELV-08 = .000
 RUDDER = .000 SPOBRK = .000

ALPHA(1) = -6.182 BETA(1) = -4.055

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4531	.0252	.0863	.3054	.4286	.3171	.2555	.2631	-.5133	
.010		.0408	.1422	.4270	.5208	.5155	.4965	.4032		
.020		.0389	.1793	.3922	.4355	.4197	.4148	.3633	-.2738	
.040			.1936	.3036						
.041	-.2426									
.050		.0660			.2248	.2076	.2164	.1679		
.069									-.3568	
.080					.0561					
.081				.1678						
.086			.2538							
.094		.0000								
.113	-.0069									
.150					-.1436	-.1691	.0000	-.1924		
.157									-.4364	
.163			.2383							
.177				-.0769						
.229		.1403								
.246			.0079							
.247	.0526									
.250					-.3008	-.3504	-.3837	-.4717		
.274				-.2323						
.346									-.2237	
.362		.1193								
.390			-.1916							
.400					-.2128	-.3284		-.5748		
.402				-.1969						
.418									-.2927	
.429	.1380									
.497		-.1234								
.503									-.2373	
.547	-.0168									
.550					-.1474	-.2885				
.565			-.0449							
.600								-.1535		
.637		.0002								
.638	-.1308									
.650						-.1040				
.670									-.1350	

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TABLE - PRESSURE SOURCE DATA TABULATION

PAGE 1892

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETV28)

ALPHA0(1) = -6.182 BETA0 (1) = -4.055

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.700		.0316				-.0592				
.725					-.0278					
.727	.0194									
.730										-.4715
.750							-.0617	-.0356		
.760				-.0321						
.775					-.0428	-.1485				
.793	.1480									
.798			-.0420							
.808				-.0136						
.834		-.0522								
.839			-.0147							
.850					.0121	-.0297	.0493			
.857				.0004						
.862									-.0082	
.865		-.0591								
.879			-.0185							
.900		-.0564			.0106			.0713		
.905				-.0074						
.919			-.0254							
.950					.0106	.0706	.0849			
.953				-.0058						
.955			-.0278							
.965		-.0365								
1.000				-.0963		-.0882		.0189		

ALPHA0(1) = -6.173 BETA0 (2) = -2.019

[illegible]

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1893

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(1) = -6.173 BETA(2) = -2.019

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.150					-.1213	-.1404	.0000	-.1824		
.157									-.4442	
.163			.2377							
.177				-.0576						
.229		.1358								
.246			.0201							
.247	.0500									
.250					-.2734	-.3116	-.3527	-.4510		
.274				-.2103						
.345									-.3281	
.362		.1237								
.390			-.1664							
.400					-.2095	-.3067		-.5709		
.402				-.1929						
.418										-.3543
.429	.1334									
.497		-.1056								
.503									-.2200	
.547	-.0115									
.550					-.1744	-.3192				
.565				-.0708						
.600								-.2145		
.637			-.0213							
.638	-.1213									
.650						-.1403				
.670								-.1421		
.700		.0134				-.0909				
.725					-.0708					
.727	.0017									
.730									-.4872	
.750							-.0722	-.0417		
.760				-.0742						
.775					-.0753	-.1832				
.793	.1168									
.798			-.0919							
.808				-.0456						
.834		-.1007								
.839			-.0563							
.850					-.0107	-.0566	.0373			
.857				-.0298						
.862									-.0140	
.865	-.1082									
.879		-.0528								
.900	-.0905				-.0062			.0627		
.905				-.0370						

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1896

ARC11-019 IAB1 LVAP(ELML SEALED) LEFT WING TOP

(RETU26)

ALPHA(1) = -6.132 BETA(4) = 2.107

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.050		.0376			.2235	.2039	.2016	.1492		
.069									-.4473	
.080					.0852					
.081				.1631						
.086			.2046							
.094		.0000								
.113	-.0891									
.150					-.0905	-.1093	.0000	-.1777		
.157									-.4889	
.163			.2178							
.177				-.0332						
.229		.1150								
.246			.0214							
.247	.0483									
.250					-.2351	-.2692	-.3146	-.4308		
.274				-.1747						
.345									-.4215	
.362		.1131								
.390			-.1378							
.400					-.2107	-.3121		-.5592		
.402				-.1834						
.418									-.4295	
.429	.1128									
.497		-.0912								
.503									-.4344	
.547	-.0087									
.550					-.2216	-.3607				
.565				-.1130						
.600								-.5058		
.637			-.0781							
.638	-.1154									
.650							-.4575			
.670									-.1167	
.700		-.0368				-.2977				
.725					-.2422					
.727	-.0383									
.730									-.4698	
.750							-.1231	-.0281		
.760				-.2352						
.775					-.1904	-.2597				
.793	.0536									
.798			-.2147							
.808				-.1490						
.834		-.2312								
.839			-.1633							

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1897

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA0(1) = -6.132 BETA0(4) = 2.107

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.850					-.0680	-.1044	.0135			
.857				-.0983						
.862									-.0107	
.865		-.2316								
.879			-.1313							
.900		-.1654			-.0511			.0518		
.905				-.0828						
.919			-.1139							
.950					-.0319	.0255	.0443			
.953				-.0721						
.955			-.0997							
.965		-.1156								
1.000				-.1454		-.0655		-.0342		

ALPHA0(1) = -6.123 BETA0(5) = 4.151

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5281	-.0303	.0634	.2264	.2686	.1023	.0198	.0171	-.4673	
.010		-.0166	.0898	.3265	.4284	.3867	.3610	.2941		
.020		-.0177	.1161	.3124	.3753	.3339	.3250	.2666	-.4346	
.040			.1293	.2525						
.041	-.2319									
.050		.0280			.2178	.1894	.1870	.1312		
.069					.0807				-.4807	
.080										
.081				.1576						
.086			.1886							
.094		.0000								
.113	-.1667									
.150					-.0864	-.1064	.0000	-.1877		
.157									-.5097	
.163			.2053							
.177				-.0242						
.229		.1097								
.246			.0243							
.247	.0527									
.250					-.2211	-.2662	-.3146	-.4399		
.274				-.1644						
.345									-.4366	
.362		.1013								
.390			-.1292							

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1898

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(1) = -6.123 BETA(5) = 4.151

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.400					-.2176	-.3163		-.5721		
.402				-.1835						
.418										-.4491
.429	.1098									
.497		-.0857								
.503									-.4606	
.547	-.0025									
.550					-.2407	-.3786				
.565				-.1385						
.600								-.5434		
.637			-.1009							
.638	-.1018									
.650						-.4940				
.670								-.0922		
.700		-.0685				-.3583				
.725					-.3080					
.727	-.0573									
.730										-.3977
.750							-.1922	-.0456		
.760				-.3089						
.775					-.2816	-.3817				
.793	.0192									
.798		-.2807								
.808			-.2368							
.834		-.2799								
.839			-.2271							
.850					-.1133	-.1391	.0054			
.857				-.1618						
.862									.0002	
.865		-.2906								
.879			-.1899							
.900		-.2306			-.0796			.0599		
.905				-.1323						
.919			-.1580							
.950					-.0403	.0152	.0425			
.953				-.1062						
.955			-.1324							
.965		-.1599								
1.000				-.1686		-.0408		.0006		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1899

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(2) = -4.098 BETA(1) = -6.117

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3879	.0482	.1400	.4071	.5456	.4718	.4323	.4290	-.3087	
.010		.0558	.1797	.4437	.4669	.4942	.4676	.3390		
.020		.0425	.2028	.3599	.3589	.3493	.3339	.2811	-.1986	
.040			.2147	.2363						
.041	-.2767									
.050		.0637			.1050	.0933	.0842	.0423		
.069									-.3125	
.080					-.0911					
.081				.0681						
.086			.2402							
.094		.0000								
.113	-.0306									
.150					-.2947	-.3261	.0000	-.3326		
.157									-.5590	
.163			.1851							
.177				-.2052						
.229		.1312								
.246			-.0642							
.247	.0440									
.250					-.4500	-.5351	-.5739	-.5890		
.274				-.3424						
.345									-.4199	
.362		.0731								
.390			-.2926							
.400					-.2509	-.3906		-.6859		
.402				-.2744						
.418										-.2908
.429	.1221									
.497		-.2026								
.503									-.2863	
.547	-.0780									
.550					-.1391	-.2573				
.565				-.0374						
.600								-.1151		
.637			.0144							
.638	-.2167									
.650						-.0786				
.670								-.1655		
.700		.0385				-.0291				
.725					.0132					
.727	.0111									
.730										-.2979
.750						-.0395	-.0170			
.760				.0148						
.775					.0113	-.1017				

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IA81A - PRESSURE SOURCE DATA TABULATION

PAGE 1901

ARC11-019 IA81 (VAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(2) = -4.086 BETA(2) = -4.069

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4339	-.5139	-.5399	-.5760		
.274				-.3301						
.345									-.3914	
.362		.0750								
.390			-.2817							
.400					-.2804	-.4036		-.6853		
.402				-.2783						
.418									-.2148	
.429	.1083									
.497		-.1902								
.503								-.2525		
.547	-.0759									
.550					-.1767	-.3139				
.565				-.0744						
.600								-.1295		
.637			-.0274							
.638	-.2008									
.650							-.0943			
.670									-.1649	
.700		.0134				-.0548				
.725					-.0278					
.727	-.0108									
.730										-.3329
.750							-.0576	-.0320		
.760				-.0303						
.775					-.0297	-.1331				
.793	.1309									
.798			-.0399							
.808				-.0124						
.834		-.0475								
.839			-.0116							
.850					.0193	-.0135	.0472			
.857				-.0006						
.862									.0006	
.865		-.0536								
.879			-.0139							
.900		-.0410			.0190			.0708		
.905				.0012						
.919			-.0178							
.950					.0277	.0824	.0741			
.953				.0077						
.955			-.0182							
.965		-.0226								
1.000				-.0758		-.0515		.0210		

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1902

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA0(2) = -4.071 BETA0 (3) = .025

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4800	.0068	.0871	.3050	.4053	.2907	.2391	.2371	-.4429	
.010		.0087	.1123	.3622	.4195	.4209	.3974	.2964		
.020		-.0028	.1407	.3057	.3351	.3133	.3036	.2501	-.3271	
.040			.1543	.2135						
.041	-.4983									
.050		.0278			.1278	.1030	.0967	.0515		
.069									-.4105	
.080					-.0274					
.081				.0865						
.086			.1932							
.094		.0000								
.113	-.0432									
.150					-.2080	-.2539	.0000	-.3013		
.157									-.5435	
.163			.1722							
.177				-.1408						
.229		.0995								
.246			-.0432							
.247	.0224									
.250					-.3607	-.4155	-.4712	-.5562		
.274				-.2834						
.345									-.4655	
.362		.0704								
.390			-.2380							
.400					-.2664	-.3825		-.6656		
.402				-.2551						
.418									-.3763	
.429	.0949									
.497		-.1690								
.503									-.4093	
.547	-.0676									
.550					-.2302	-.3960				
.565				-.1274						
.600								-.4069		
.637			-.0813							
.638	-.1871									
.650							-.2411			
.670									-.1605	
.700		-.0424				-.1394				
.725				-.1341						
.727	-.0497									
.730									-.3893	
.750							-.0730	-.0396		
.760				-.1461						
.775					-.1096	-.2079				

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1904

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU28)

ALPHA(2) = -4.050 BETA(4) = 4.127

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8670	.9720	1.0000
X/CW										
.250					-.3160	-.3536	-.4097	-.5372		
.274				-.2350						
.345									-.4729	
.352		.0684								
.390			-.1883							
.400					-.2676	-.3677		-.6333		
.402				-.2373						
.418										-.4005
.429	.0881									
.497		-.1388								
.503									-.4992	
.547	-.0460									
.550					-.2676	-.4174				
.565				-.1604						
.600								-.5936		
.637			-.1213							
.638	-.1492									
.650						-.5256				
.670								-.0994		
.700		-.0879				-.3892				
.725					-.3303					
.727	-.0825									
.730										-.3762
.750							-.2268	-.0685		
.760				-.3358						
.775					-.3111	-.4022				
.793	-.0006									
.798			-.3235							
.808				-.2605						
.834		-.3036								
.839			-.2610							
.850					-.1203	-.1404	-.0011			
.857				-.1563						
.862									.0153	
.865		-.3204								
.879			-.2009							
.900		-.2416			-.0712			.0619		
.905				-.1306						
.919			-.1617							
.950					-.0331	.0193	.0440			
.953				-.0996						
.955			-.1415							
.965		-.1694								
1.000				-.1546		-.0268		-.0087		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1905

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA0(2) = -4.048 BETA0 (5) = 6.181

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW											
.000	- .4764	- .1202	.0607	.2345	.3383	.1807	.1000	.0898	- .4528		
.010		- .1054	.0789	.2727	.3713	.3459	.3202	.2334			
.020		- .0797	.0966	.2372	.3053	.2664	.2550	.1999	- .4130		
.040			.1055	.1813							
.041	- .2811										
.050		- .0190			.1344	.1042	.0860	.0419			
.069									- .4821		
.080					.0140						
.081				.0820							
.086			.1450								
.094		.0000									
.113	- .2542										
.150					- .1387	- .1886	.0000	- .2834			
.157									- .5458		
.163			.1527								
.177				- .0827							
.229		.0849									
.246			- .0170								
.247	.0329										
.250					- .2678	- .3257	- .3873	- .5204			
.274				- .2025							
.345									- .4825		
.362		.0605									
.390			- .1624								
.400					- .2395	- .3611		- .6271			
.402				- .2196							
.418										- .4104	
.429	.0947										
.497		- .1183									
.503									- .4989		
.547	- .0296										
.550					- .2511	- .4218					
.565				- .1744							
.600								- .6130			
.637			- .1388								
.638	- .1320										
.650							- .5394				
.670									- .1484		
.700		- .1091				- .4207					
.725					- .3335						
.727	- .0922										
.730										- .5142	
.750							- .3556	- .0970			
.760				- .3546							
.775					- .3346	- .4383					

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TABLE 1 - PRESSURE SOURCE DATA TABULATION

PAGE 1906

ARC11-019 [AB] LVAP(ELHL SEALED) LEFT WING TOP

(RETU28)

ALPHA0(2) = -4.048 BETA0 (5) = 6.181

SECTION (1) LEFT WING TOP				DEPENDENT VARIABLE CP						
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	-.0228									
.798			-.3489							
.808				-.3098						
.834		-.3299								
.839			-.3303							
.850					-.1880	-.2419	-.0237			
.857				-.2257						
.862									.0299	
.865		-.3593								
.879			-.2791							
.900		-.2970			-.0958			.0684		
.905				-.1892						
.919			-.2209							
.950					-.0431	.0022	.0383			
.953				-.1399						
.955			-.1748							
.965		-.2275								
1.000			-.1844			-.0240		.0013		

ALPHA0(3) = -2.011 BETA0 (1) = -6.126

[illegible]

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1807

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(3) = -2.011 BETA(1) = -6.126

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5498	-.6516	-.6851	-.6929		
.274				-.4394						
.345									-.5926	
.362		.0316								
.390			-.3826							
.400					-.4219	-.6822		-.7360		
.402				-.4151						
.418										-.3967
.429	.0965									
.497		-.2695								
.503									-.4595	
.547	-.1329									
.550					-.1380	-.2284				
.565				-.0539						
.600								-.3157		
.637			-.0040							
.638	-.2906									
.650							-.0792			
.670									-.1636	
.700		.0163				-.0236				
.725					.0191					
.727	-.0192									
.730										-.3674
.750							-.0320	-.0528		
.760				.0156						
.775					.0104	-.0854				
.793	.1614									
.798			.0060							
.808				.0338						
.834		-.0020								
.839			.0315							
.850					.0625	.0305	.0771			
.857				.0475						
.862									-.0062	
.865	-.0096									
.879		.0246								
.900	-.0089				.0572			.0680		
.905				.0348						
.919		.0230								
.950					.0603	.1140	.0990			
.953				.0363						
.955		.0149								
.965	.0121									
1.000			-.0420			-.0188		.0372		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1908

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU28)

ALPHA0 (3) = -1.998 BETA0 (2) = -2.045

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4339	.0140	.1165	.3012	.5198	.4537	.4226	.4071	-.2041	
.010		.0056	.1361	.3778	.3727	.3904	.3506	.1968		
.020		-.0098	.1581	.2777	.2623	.2362	.2094	.1325	-.2913	
.040			.1723	.1628						
.041	-.5030									
.050		.0257			.0201	-.0177	-.0428	-.0979		
.069									-.4080	
.080					-.1689					
.081				.0024						
.086			.1919							
.094		.0000								
.113	-.0567									
.150					-.3613	-.4077	.0000	-.4467		
.157									-.6640	
.163			.1357							
.177				-.2623						
.229		.0985								
.246			-.1106							
.247	.0192									
.250					-.5005	-.6010	-.6455	-.6689		
.274				-.3663						
.345									-.6987	
.362		.0390								
.390			-.3208							
.400					-.3253	-.5032		-.8031		
.402				-.3769						
.418										-.4448
.429	.0891									
.497		-.2456								
.503									-.5700	
.547	-.1129									
.550					-.2312	-.4028				
.565				-.1174						
.600								-.1973		
.637			-.0687							
.638	-.2765									
.650							-.0910			
.670									-.1522	
.700		-.0374				-.0750				
.725					-.0650					
.727	-.0605									
.730										-.3109
.750							-.0477	.0017		
.760				-.0743						
.775					-.0602	-.1491				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1910

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(3) = -1.984 BETA(3) = 2.071

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4451	-.5307	-.5722	-.6414		
.274				-.3389						
.345									-.5934	
.362		.0361								
.390			-.2901							
.400					-.3123	-.4376		-.7496		
.402				-.3236						
.418										-.4517
.429	.0726									
.497		-.2127								
.503									-.6014	
.547	-.1078									
.550					-.2742	-.4399				
.565				-.1597						
.600								-.6185		
.637			-.1184							
.638	-.2318									
.650							-.5197			
.670									-.1110	
.700		-.0784				-.3581				
.725					-.3029					
.727	-.0888									
.730										-.3373
.750							-.0831	-.0134		
.760				-.2939						
.775					-.2252	-.2604				
.793	.0174									
.798			-.2866							
.808				-.1947						
.834		-.2693								
.839			-.1971							
.850					-.0678	-.0764	.0300			
.857				-.1012						
.862									.0077	
.865		-.2617								
.879			-.1412							
.900		-.1819			-.0346			.0617		
.905				-.0871						
.919			-.1098							
.950					-.0078	.0416	.0481			
.953				-.0606						
.955			-.0943							
.965		-.1104								
1.000				-.1140		-.0358		-.0638		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1911

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(3) = -1.975 BETA(4) = 6.155

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.5260	-.1418	.0435	.2459	.4010	.2832	.2276	.2077	-.3667	
.010		-.1169	.0640	.2353	.3089	.3008	.2675	.1545		
.020		-.0898	.0826	.1882	.2214	.1896	.1657	.1039	-.3948	
.040			.0899	.1181						
.041	-.2659									
.050		-.0368			.0343	-.0047	-.0194	-.0833		
.069									-.4821	
.080					-.1097					
.081				.0163						
.086			.1143							
.094		.0000								
.113	-.2156									
.150					-.2537	-.3047	.0000	-.3841		
.157									-.6352	
.163			.1027							
.177				-.1522						
.229		.0675								
.246			-.0694							
.247	.0129									
.250					-.3724	-.4411	-.4846	-.6068		
.274				-.2677						
.345									-.5322	
.362		.0334								
.390			-.2203							
.400					-.3019	-.4201		-.6926		
.402					-.2665					
.418									-.4815	
.429	.0640									
.497		-.1706								
.503									-.5534	
.547	-.0818									
.550					-.3019	-.4424				
.565				-.1897						
.600								-.6194		
.637			-.1650							
.638	-.1899									
.650							-.5580			
.670									-.1848	
.700		-.1292				-.4298				
.725					-.3728					
.727	-.1250									
.730									-.5377	
.750							-.3961	-.1522		
.760				-.3589						
.775					-.3671	-.4260				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1913

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU25)

ALPHA0(4) = .071 BETA0 (1) = -6.134

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.6600	-.7841	-.8603	-.8372		
.274				-.5558						
.345									-.6603	
.362		-.0163								
.390			-.4770							
.400					-.6882	-.8169		-.7118		
.402				-.6176						
.418										-.6127
.429	.0787									
.497		-.3818								
.503									-.6200	
.547	-.1778									
.550					-.1173	-.1501				
.565				-.0668						
.600								-.4550		
.637			-.0258							
.638	-.4099									
.650							-.2458			
.670									-.3513	
.700		-.0174				-.0390				
.725					.0197					
.727	-.0617									
.730										-.5209
.750							-.0923	-.2532		
.760			.0205							
.775					.0008	-.0820				
.793	.1572									
.798			.0106							
.808				.0387						
.834		.0005								
.839			.0361							
.850					.0720	.0398	.0417			
.857				.0512						
.862									-.1908	
.865	-.0068									
.879		.0350								
.900	.0036				.0660			-.0643		
.905				.0425						
.919		.0353								
.950					.0746	.1254	.0998			
.953				.0425						
.955		.0245								
.965	.0246									
1.000			-.0264			-.0115		.0096		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1914

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA0 (4) = .076 BETA0 (2) = -4.088

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.3869	.0046	.1146	.4237	.5927	.5507	.5264	.4736	-.1501		
.010		-.0227	.1235	.3404	.2648	.2839	.2143	.0091			
.020		-.0321	.1448	.2052	.1412	.0894	.0424	-.0749	-.4190		
.040			.1521	.0669							
.041	-.3907										
.050		.0035			-.1286	-.2029	-.2407	-.3248			
.069									-.5297		
.080					-.3408						
.081				-.1176							
.086			.1514								
.094		.0000									
.113	-.1012										
.150					-.5723	-.6360	.0000	-.6329			
.157									-.7842		
.163			.0613								
.177				-.4039							
.229		.0796									
.246			-.2012								
.247	.0039										
.250					-.6284	-.7296	-.8189	-.8304			
.274				-.5191							
.345									-.6837		
.362		-.0133									
.390			-.4451								
.400					-.6635	-.9077		-.7924			
.402				-.5793							
.418									-.6487		
.429	.0706										
.497		-.3687									
.503									-.6385		
.547	-.1739										
.550					-.1856	-.2086					
.565				-.1107							
.600								-.4737			
.637			-.0640								
.638	-.3820										
.650							-.2188				
.670									-.3446		
.700		-.0495				-.0632					
.725					-.0237						
.727	-.0860										
.730										-.4570	
.750							-.0624	-.2557			
.760				-.0240							
.775					-.0313	-.1237					

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1916

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA0 (4) = .079 BETA0 (3) = .002

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5667	-.6859	-.7329	-.7699		
.274				-.4523						
.345									-.7691	
.362		-.0109								
.390			-.4113							
.400					-.4343	-.7077		-.8395		
.402				-.5141						
.418										-.6495
.429	.0556									
.497		-.3134								
.503									-.6946	
.547	-.1678									
.550					-.2754	-.4353				
.565				-.1672				-.4769		
.600										
.637			-.1240							
.638	-.3301									
.650						-.2189				
.670								-.2603		
.700		-.0933			-.1260					
.725				-.1592						
.727	-.1128									
.730									-.4679	
.750						-.0881	-.1479			
.760			-.1528							
.775				-.1037	-.1790					
.793	.0362									
.798			-.1769							
.808				-.0876						
.834		-.1986								
.839			-.1038							
.850				-.0229	-.0460	.0319				
.857				-.0463						
.862								-.0365		
.865		-.1780								
.879			-.0802							
.900		-.1234		-.0086				.0410		
.905			-.0501							
.919			-.0659							
.950				.0122	.0667	.0560				
.953			-.0256							
.955			-.0550							
.955	-.0708									
1.000			-.0731		-.0368		-.0597			

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1917

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU281)

ALPHA(4) = .084 BETA(4) = 4.101

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.5125	-.1338	.0143	.2698	.4508	.3880	.3568	.3236	-.2822	
.010		-.1235	.0454	.2220	.2222	.2358	.1888	.0155		
.020		-.0951	.0688	.1424	.1186	.0893	.0508	-.0469	-.4378	
.040			.0781	.0497						
.041	-.4245									
.050		-.0451			-.0917	-.1447	-.1801	-.2593		
.069									-.5318	
.080					-.2427					
.081				-.0766						
.086			.0950							
.094		.0000								
.113	-.1615									
.150					-.3951	-.4688	.0000	-.3504		
.157									-.7587	
.163			.0531							
.177				-.2820						
.229		.0440								
.246			-.1410							
.247	-.0026									
.250					-.5051	-.6225	-.6920	-.7390		
.274				-.3725						
.345									-.7828	
.362		-.0134								
.390			-.3202							
.400					-.3483	-.4676		-.8483		
.402				-.3816						
.418									-.6887	
.429	.0474									
.497		-.2698								
.503									-.7636	
.547	-.1436									
.550					-.2951	-.4570				
.565				-.1919						
.600							-.6275			
.637			-.1560							
.638	-.2751									
.650						-.5645				
.670									-.4717	
.700		-.1347				-.4279				
.725					-.3625					
.727	-.1315									
.730									-.7381	
.750							-.2776	-.1208		
.760				-.3544						
.775					-.3528	-.4479				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1919

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(4) = .089 BETA(5) = 6.149

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.4646	-.5770	-.6460	-.7214		
.274				-.3424						
.345									-.6821	
.362		-.0068								
.390			-.2849							
.400					-.3545	-.4703		-.7832		
.402				-.3296						
.418										-.6761
.429	.0377									
.497		-.2284								
.503									-.6976	
.547	-.1285									
.550					-.3169	-.4726				
.565				-.2144						
.600								-.6789		
.637			-.1816							
.638	-.2458									
.650						-.5823				
.670								-.1720		
.700		-.1492				-.4559				
.725					-.3819					
.727	-.1452									
.730									-.6973	
.750							-.2975	-.0999		
.760				-.3667						
.775					-.3786	-.4293				
.793	-.0462									
.798			-.3662							
.808				-.3299						
.834		-.3480								
.839			-.3504							
.850					-.2008	-.1974	-.0175			
.857				-.2447						
.862									.0271	
.865		-.3792								
.879			-.2643							
.900	-.3023				-.1132			.0602		
.905			-.1659							
.919			-.2141							
.950					-.0565	.0028	.0468			
.953				-.1246						
.955			-.1724							
.965	-.2174									
1.000				-.1491		-.0145		-.0536		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1920

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU28)

ALPHA(5) = 2.156 BETA(1) = -6.124

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3311	-.0031	.0976	.4386	.6341	.5967	.5636	.4743	-.1997	
.010		-.0517	.0972	.2867	.1486	.1690	.0705	-.1937		
.020		-.0608	.1158	.1157	.0168	-.0350	-.1194	-.2838	-.5953	
.040			.1236	-.0349						
.041	-.2012									
.050		-.0141			-.2701	-.3488	-.4110	-.5289		
.069									-.6628	
.080					-.4915					
.081				-.2440						
.086			.1080							
.094		.0000								
.113	-.1185									
.150					-.7010	-.7623	.0000	-.7643		
.157									-.6246	
.163			-.0053							
.177				-.4839						
.229		.0670								
.246			-.2844							
.247	.0023									
.250					-.7906	-.9526	-.8634	-.7071		
.274				-.6508						
.346									-.5314	
.362		-.0516								
.390			-.5670							
.400					-.8027	-.9106		-.6083		
.402				-.7280						
.418									-.5865	
.429	.0819									
.497		-.4213								
.503									-.4315	
.547	-.2134									
.550					-.0923	-.4179				
.565				-.0767						
.600								-.4802		
.637			-.0523							
.638	-.4962									
.650							-.3929			
.670									-.3401	
.700		-.0504				-.1564				
.725					.0060					
.727	-.1018									
.730									-.3345	
.750							-.2818	-.3620		
.760				.0070						
.775					-.0155	-.0923				

ARC11-019 TAB1 LVAP (ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(5) = 2.174 BETA(2) = -2.053

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.7036	-.8550	-.9310	-.8215		
.274				-.5813						
.345									-.7110	
.362		-.0440								
.390			-.5105							
.400					-.7302	-.8883		-.7242		
.402				-.6611						
.418										-.8112
.429	.0477									
.497		-.4031								
.503									-.5756	
.547	-.2079									
.550					-.2010	-.2276				
.565				-.1514						
.600								-.5417		
.637			-.1154							
.638	-.4601									
.650						-.3909				
.670								-.3837		
.700		-.1138				-.1365				
.725				-.0730						
.727	-.1557									
.730										-.4901
.750							-.2342	-.3615		
.760				-.0573						
.775				-.0682	-.1623					
.793	.0697									
.798			-.0889							
.808				-.0331						
.834		-.1119								
.839			-.0454							
.850					-.0021	-.0200	-.0512			
.857				-.0074						
.862									-.2449	
.865	-.1013									
.879		-.0335								
.900	-.0683				.0170			-.1579		
.905				-.0137						
.919		-.0231								
.950					.0380	.0985	.0672			
.953				.0024						
.955		-.0104								
.965	-.0261									
1.000				-.0422		-.0054		-.0867		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1923

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(5) = 2.176 BETA(3) = 2.058

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4734	-.1400	-.0283	.3035	.4909	.4430	.4192	.3513	-.3468	
.010		-.1445	.0062	.1980	.1246	.1420	.0674	-.1689		
.020		-.1308	.0426	.0817	.0160	-.0378	-.0961	-.2412	-.6018	
.040			.0519	-.0274						
.041	-.5271									
.050		-.0671			-.2188	-.3026	-.3535	-.4643		
.069									-.6710	
.080					-.4058					
.081				-.1815						
.086			.0612							
.094		.0000								
.113	-.1040									
.150					-.5970	-.6718	.0000	-.7294		
.157									-.8957	
.163			.0008							
.177				-.4117						
.229		.0369								
.246			-.2328							
.247	-.0252									
.250					-.6298	-.7396	-.8127	-.8939		
.274				-.5124						
.345									-.8493	
.362		-.0487								
.390			-.4547							
.400					-.6204	-.8330		-.8604		
.402				-.5480						
.418									-.9463	
.429	.0267									
.497		-.3694								
.503									-.6635	
.547	-.2097									
.550					-.3062	-.4248				
.565				-.2027						
.600								-.5407		
.637			-.1700							
.638	-.3969									
.650						-.3336				
.670								-.3313		
.700		-.1416				-.2145				
.725					-.2651					
.727	-.1670									
.730									-.6606	
.750							-.1671	-.3338		
.760				-.2621						
.775					-.1475	-.2328				

PAGE 1924

(RETU26)

.247 = .0226

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LABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1925

ARC11-019 LAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA0(5) = 2.176 BETA0 (4) = 6.147

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.5501	-.6967	-.7630	-.8238		
.274				-.4145						
.345									-.9137	
.362		-.0477								
.390			-.3504							
.400					-.4227	-.6064		-.9203		
.402				-.3952						
.418										-.9825
.429	.0203									
.497		-.2913								
.503									-.8407	
.547	-.1778									
.550					-.3396	-.4855				
.565					-.2346					
.600								-.6307		
.637			-.2128							
.638	-.3138									
.650							-.5905			
.670									-.4925	
.700		-.1826				-.4654				
.725					-.3832					
.727	-.1827									
.730										-.5447
.750							-.1733	-.0875		
.760				-.3684						
.775					-.3475	-.4096				
.793	-.0593									
.798			-.3633							
.808				-.3378						
.834		-.3366								
.839			-.3364							
.850					-.1519	-.1620	.0172			
.857				-.2588						
.862									-.0361	
.865		-.3454								
.879			-.2559							
.900		-.2648			-.0884			.0870		
.905				-.1504						
.919			-.1986							
.950					-.0497	.0254	.0706			
.953				-.1094						
.955			-.1574							
.965		-.1852								
1.000				-.1289		-.0027		.0603		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1926

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA0(6) = 4.242 BETA0 (1) = -6.110

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3117	-.0438	.0495	.4238	.6268	.5927	.5456	.4237	-.3358	
.010		-.1045	.0534	.2196	.0449	.0611	-.0698	-.3594		
.020		-.1087	.0722	.0412	-.0855	-.1495	-.2514	-.4603	-.7642	
.040			.0857	-.1170						
.041	-.2376									
.050		-.0548			-.3679	-.4499	-.5317	-.6735		
.069									-.7049	
.080					-.5675					
.081				-.3336						
.086			.0645							
.094		.0000								
.113	-.1421									
.150					-.7679	-.8954	.0000	-.7773		
.157									-.6860	
.163			-.0540							
.177				-.5411						
.229		.0507								
.246			-.3201							
.247	-.0120									
.250					-.8942	-.9185	-.8234	-.7434		
.274				-.6891						
.345									-.5127	
.362		-.0857								
.390			-.6074							
.400					-.8841	-.7784		-.5450		
.402				-.8285						
.418										-.6389
.429	.0483									
.497		-.4721								
.503									-.4645	
.547	-.2375									
.550					-.2127	-.5107				
.565				-.0951						
.600								-.4816		
.637			-.1151							
.638	-.5734									
.650							-.5010			
.670								-.4177		
.700		-.0961				-.3848				
.725					-.0336					
.727	-.1553									
.730										-.4556
.750							-.4269	-.4304		
.760				-.0221						
.775					-.0509	-.2117				

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TABLE A - PRESSURE SOURCE DATA TABULATION

PAGE 1927

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETV26)

ALPHA0(6) = 4.242 BETA0 (1) = -6.110

SECTION (1) LEFT WING TOP			DEPENDENT VARIABLE CP							
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.1760									
.798			.0016							
.808				-.0059						
.834		-.0062								
.839			.0289							
.850					.0375	-.1183	-.3258			
.857				.0137						
.862									-.3578	
.865		-.0257								
.879			.0251							
.900		-.0131			.0345			-.3481		
.905				.0154						
.919			.0254							
.950					.0656	.0394	-.2344			
.953				.0333						
.955			.0350							
.965		.0174								
1.000				-.0114		-.1013		-.2973		

ALPHA0(6) = 4.246 BETA0 (2) = -4.074

[illegible]

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1928

ARC11-019 (A81 LVAP/ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA0 (5) = 4.246 BETA0 (2) = -4.074

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW		.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW											
.250						-.8637	-.9311	-.8433	-.7553		
.274					-.6983						
.345										-.5028	
.362			-.0715								
.390				-.5884							
.400						-.8446	-.7935		-.5677		
.402					-.7905						
.418											-.6779
.429	.0435										
.497			-.4503								
.503										-.4679	
.547	-.2343										
.550						-.1254	-.5057				
.565					-.1239						
.600									-.5027		
.637				-.1084							
.638	-.5554										
.650								-.5142			
.670										-.4198	
.700			-.1168				-.3685				
.725						-.0573					
.727	-.1783										
.730											-.4630
.750								-.4137	-.4416		
.760					-.0501						
.775						-.0739	-.1647				
.793	.1294										
.798				-.0452							
.808					-.0202						
.834			-.0453								
.839				-.0085							
.850						.0175	-.0739	-.2996			
.857					.0010						
.862										-.3615	
.865		-.0632									
.879			-.0019								
.900		-.0366				.0201				-.3406	
.905					.0003						
.919			.0000								
.950						.0551	.0638	-.1912			
.953					.0210						
.955			.0104								
.965		.0007									
1.000					-.0230		-.0579		-.2569		

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1929

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA0 (6) = 4.244 BETA0 (3) = .001

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4346	-.1515	-.0441	.3223	.5329	.4936	.4453	.3338	-.4613	
.010		-.1788	-.0140	.1719	.0460	.0493	-.0736	-.3564		
.020		-.1515	.0288	.0267	-.0697	-.1444	-.2414	-.4519	-.7891	
.040			.0430	-.1012						
.041	-.4725									
.050		-.0830			-.3282	-.4258	-.5106	-.6459		
.069									-.7634	
.080					-.5224					
.081				-.2828						
.086			.0454							
.094		.0000								
.113	-.1266									
.150					-.7122	-.7968	.0000	-.8504		
.157									-.7295	
.163			-.0410							
.177				-.4910						
.229		.0334								
.246			-.2952							
.247	-.0339									
.250					-.7679	-.9502	-.9819	-.7679		
.274				-.6318						
.345									-.5312	
.362		-.0739								
.390			-.5602							
.400					-.7987	-.9639		-.6823		
.402				-.7071						
.418										-.6950
.429	.0237									
.497		-.4279								
.503									-.4892	
.547	-.2333									
.550					-.1801	-.4230				
.565				-.1867						
.600								-.5589		
.637			-.1614							
.638	-.5062									
.650							-.4715			
.670									-.4229	
.700		-.1488				-.2281				
.725				-.1177						
.727	-.1981									
.730										-.4344
.750							-.3531	-.4533		
.760				-.1129						
.775					-.1184	-.2170				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1931

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU25)

ALPHA0(6) = 4.243 BETAO (4) = 4.105

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.6922	-.8255	-.9542	-.9071			
.274				-.5526							
.345									-.6095		
.362		-.0820									
.390			-.4757								
.400					-.6685	-.8886		-.8220			
.402				-.5782							
.418										-.6177	
.429	.0111										
.497		-.3938									
.503									-.5676		
.547	-.2255										
.550					-.3290	-.4233					
.565				-.2406							
.600								-.5760			
.637			-.2172								
.638	-.4328										
.650						-.4237					
.670								-.4753			
.700		-.1974				-.2397					
.725					-.2322						
.727	-.2148										
.730										-.4411	
.750							-.2720	-.4028			
.760				-.2810							
.775					-.1976	-.3174					
.793	-.0327										
.798			-.3110								
.808				-.1877							
.834		-.2987									
.839			-.2439								
.850					-.0805	-.0982	-.1012				
.857				-.1250							
.862									-.3495		
.865		-.3071									
.879			-.1546								
.900		-.1886			-.0504			-.2335			
.905				-.0958							
.919			-.1245								
.940					-.0259	.0433	.0400				
.953				-.0652							
.955			-.0949								
.965		-.1261									
1.000				-.0994		.0024		-.0946			

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1932

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(6) = 4.240 BETA(5) = 6.155

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.5096	-.2585	-.0944	.1319	.4464	.3921	.3508	.2423	-.5712		
.010		-.2129	-.0343	.0336	.0138	.0110	-.1001	-.3730			
.020		-.1752	-.0107	-.0480	-.0879	-.1546	-.2533	-.4559	-.7979		
.040			-.0045	-.1149							
.041	-.4982										
.050		-.1041			-.3011	-.4086	-.4865	-.6247			
.069									-.8253		
.080					-.4668						
.081				-.2295							
.086			.0001								
.094		.0000									
.113	-.2064										
.150					-.5943	-.7256	.0000	-.8281			
.157									-.8603		
.163			-.0560								
.177				-.4041							
.229		.0042									
.246			-.2260								
.247	-.0413										
.250					-.6396	-.7744	-.8533	-.9692			
.274				-.4964							
.345									-.6560		
.362		-.0745									
.390			-.4164								
.400					-.5249	-.8248		-.9141			
.402				-.4702							
.418										-.6665	
.429	.0043										
.497		-.3398									
.503									-.6161		
.547	-.2133										
.550					-.3597	-.4982					
.565				-.2622							
.600								-.5559			
.637			-.2395								
.638	-.3731										
.650							-.4114				
.670									-.4978		
.700		-.2020				-.3346					
.725					-.3495						
.727	-.2129										
.730										-.4674	
.750							-.2126	-.3566			
.760				-.3415							
.775					-.2571	-.2385					

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1933

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(6) = 4.240 BETA(5) = 6.155

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	-.0623									
.798			-.3557							
.808				-.2705						
.834		-.3486								
.839			-.2670							
.850					-.1194	-.0985	-.0333			
.857				-.1722						
.862									-.3022	
.865		-.3597								
.879			-.1927							
.900		-.2535			-.0768			-.1334		
.905				-.1258						
.919			-.1555							
.950					-.0409	.0232	.0652			
.953				-.0932						
.955			-.1307							
.965		-.1840								
1.000				-.1216		.0055		.0093		

ALPHA(7) = 6.337 BETA(1) = -4.058

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3246	-.1099	-.0294	.3665	.5691	.5325	.4676	.3160	-.5357	
.010		-.1811	-.0275	.1420	-.0606	-.0709	-.2302	-.5429		
.020		-.1689	.0119	-.0422	-.1852	-.2744	-.4018	-.6451	-.9472	
.040			.0270	-.2029						
.041	-.3413									
.050		-.0913			-.4544	-.5594	-.6804	-.8407		
.069									-.9491	
.080					-.6516					
.081				-.4061						
.086			.0115							
.094		.0000								
.113	-.1462									
.150					-.8480	-.9829	.0000	-.7955		
.157									-.9388	
.163			-.0983							
.177				-.5847						
.229		.0271								
.246			-.3820							
.247	-.0421									

ORIGINAL PAGE IS
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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU28)

ALPHA0(7) = 6.337 BETA0 (1) = -4.058

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.250					-.9477	-.9854	-.7957	-.6706			
.274				-.7598							
.345									-.5509		
.362		-.1069									
.390			-.6430								
.400					-.8641	-.7778		-.5737			
.402				-.8669							
.418										-1.0304	
.429	.0254										
.497		-.4924									
.503									-.5221		
.547	-.2667										
.550					-.2900	-.6047					
.565				-.1600							
.600								-.5300			
.637			-.1559								
.639	-.6155										
.650							-.5710				
.670									-.4522		
.700		-.1495				-.4513					
.725					-.1463						
.727	-.1966										
.730										-.5543	
.750							-.5100	-.4658			
.760				-.1159							
.775					-.1485	-.3250					
.793	.1462										
.798			-.0623								
.808				-.0730							
.834		-.0867									
.839			-.0418								
.850					-.0458	-.2383	-.4153				
.857				-.0437							
.862									-.4211		
.865	-.1077										
.879		-.0314									
.900	-.0753				-.0281			-.4008			
.905			-.0311								
.919		-.0175									
.950					.0219	-.0842	-.3166				
.953				.0050							
.955		-.0043									
.965	-.0251										
1.000			-.0192			-.1383		-.3399			

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1935

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(7) = 6.337 BETA(2) = -2.026

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BL	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.000	-.3718	-.1547	-.0715	.3348	.5455	.4977	.4401	.2910	-.5799	
.010		-.2166	-.0484	.1297	-.0560	-.0703	-.2293	-.5384		
.020		-.1965	-.0032	-.0477	-.1801	-.2629	-.3963	-.6437	-.9427	
.040			.0139	-.1871						
.041	-.3839									
.050		-.1092			-.4402	-.5439	-.6654	-.8315		
.069									-.9496	
.080					-.6294					
.081				-.3831						
.086			.0084							
.094		.0000								
.113	-.1311									
.150					-.8020	-.9592	.0000	-.8068		
.157									-.9029	
.163			-.0909							
.177				-.5639						
.229		.0231								
.246			-.3617							
.247	-.0546									
.250					-.9173	-.9501	-.8146	-.6912		
.274				-.7315						
.345									-.5116	
.362		-.0969								
.390			-.6160							
.400					-.8604	-.7567		-.5901		
.402				-.8255						
.418										-.9988
.429	.0152									
.497		-.4726								
.503									-.4877	
.547	-.2655									
.550					-.2176	-.5838				
.565				-.1769						
.600								-.5384		
.637			-.1527							
.638	-.6039									
.650							-.5764			
.670								-.4479		
.700		-.1431				-.4297				
.725					-.1536					
.727	-.1987									
.730									-.5227	
.750							-.5086	-.4791		
.760			-.1322							
.775					-.1566	-.3139				

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1937

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(7) = 6.335 BETA(3) = .015

SECTION (1) LEFT WING TOP	DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.8724	-.9532	-.8406	-.7191		
.274				-.6931						
.345									-.4945	
.362		-.1060								
.390			-.5915							
.400					-.8615	-.7590		-.5957		
.402				-.7811						
.418										-.9441
.429	.0087									
.497		-.4751								
.503									-.4638	
.547	-.2525									
.550					-.1820	-.5230				
.565				-.1922						
.600								-.5351		
.637			-.1699							
.638	-.5819									
.650							-.5656			
.670								-.4351		
.700		-.1651				-.4092				
.725					-.1808					
.727	-.2061									
.730										-.5037
.750							-.4806	-.4665		
.760				-.1684						
.775					-.1880	-.2966				
.793	.0805									
.798			-.1603							
.808				-.1310						
.834		-.1891								
.839			-.1110							
.850					-.0764	-.1797	-.3732			
.857				-.0811						
.862									-.3991	
.865		-.2147								
.879			-.0917							
.900		-.1258			-.0532			-.3983		
.905				-.0616						
.919			-.0728							
.950					-.0070	-.0211	-.2631			
.953				-.0226						
.955			-.0393							
.965		-.0724								
1.000				-.0452		-.0955		-.3114		

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA(7) = 6.332 BETA(4) = 2.074

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP									
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW											
.000	-.4344	-.2658	-.1780	.2422	.4808	.4328	.3689	.2247	-.6697		
.010		-.2825	-.1101	.0636	-.0797	-.0719	-.2331	-.5399			
.020		-.2358	-.0484	-.0794	-.1828	-.2598	-.3906	-.6395	-.9475		
.040			-.0291	-.1893							
.041	-.4939										
.050		-.1362			-.4227	-.5227	-.6376	-.8179			
.069									-.9653		
.080					-.6010						
.081				-.3583							
.086			-.0149								
.094		.0000									
.113	-.1388										
.150					-.7573	-.8934	.0000	-.8321			
.157									-.8733		
.163			-.0935								
.177				-.5299							
.229		.0019									
.246			-.3156								
.247	-.0637										
.250					-.8241	-.9921	-.8645	-.7394			
.274				-.6622							
.345									-.5046		
.362		-.1048									
.390			-.5732								
.400					-.8474	-.8043		-.5957			
.402				-.7231							
.418										-.9572	
.429	.0036										
.497		-.4540									
.503									-.4634		
.547	-.2605										
.550					-.1793	-.4714					
.565				-.2030							
.600								-.5257			
.637			-.1814								
.638	-.5484										
.650							-.5520				
.670									-.4244		
.700		-.1817				-.3690					
.725					-.1996						
.727	-.2164										
.730										-.4860	
.750							-.4623	-.4591			
.760				-.1867							
.775					-.1819	-.2739					

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU26)

ALPHA0(7) = 6.332 BETA0(4) = 2.074

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.793	.0385									
.798			-.2056							
.808				-.1402						
.834		-.2179								
.839			-.1474							
.850					-.0824	-.1530	-.3451			
.857				-.1017						
.862									-.3749	
.865		-.2209								
.879			-.1120							
.900		-.1272			-.0558			-.3797		
.905				-.0752						
.919			-.0927							
.950					-.0111	-.0044	-.2042			
.953				-.0420						
.955			-.0654							
.965		-.0834								
1.000				-.0706		-.0528		-.2758		

ALPHA0(7) = 6.327 BETA0(5) = 4.123

SECTION (1) LEFT WING TOP

DEPENDENT VARIABLE CP

Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4616	-.2970	-.1958	.1889	.4481	.4065	.3304	.1668	-.7526	
.010		-.2807	-.1097	.0233	-.0988	-.0984	-.2561	-.5631		
.020		-.2374	-.0498	-.0949	-.1994	-.2819	-.4112	-.6594	-.9771	
.040			-.0374	-.1945						
.041	-.5294									
.050		-.1415			-.4312	-.5376	-.6528	-.8312		
.069									-1.0101	
.080					-.5930					
.081				-.3408						
.086			-.0290							
.094		.0000								
.113	-.1437									
.150					-.7537	-.8685	.0000	-.8350		
.157									-.8622	
.163			-.0992							
.177				-.5196						
.229		-.0072								
.246			-.2947							
.247	-.0659									

ORIGINAL PAGE IS
OF POOR QUALITY

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1940

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING TOP

(RETU28)

ALPHA(7) = 6.327 BETA(5) = 4.123

SECTION (1) LEFT WING TOP		DEPENDENT VARIABLE CP								
Y/BW	.2350	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.250					-.7860	-.9893	-.8776	-.7792		
.274				-.6340						
.345									-.5043	
.362		-.1026								
.390			-.5349							
.400					-.7969	-.8415		-.6154		
.402				-.6613						
.418										-.9809
.429	-.0058									
.497		-.4237								
.503									-.4724	
.547	-.2537									
.550					-.2447	-.4434				
.565				-.2347						
.600								-.5320		
.637			-.2136							
.638	-.4967									
.650							-.5463			
.670									-.4103	
.700		-.1980				-.3347				
.725					-.2432					
.727	-.2355									
.730										-.4836
.750							-.4447	-.4653		
.760				-.2305						
.775					-.2218	-.3302				
.793	-.0180									
.798			-.2518							
.808				-.1934						
.834		-.2462								
.839			-.1908							
.850					-.1240	-.1619	-.3080			
.857				-.1335						
.862									-.3685	
.865	-.2576									
.879		-.1525								
.900	-.1721				-.0762			-.3553		
.905			-.0992							
.919		-.1301								
.950					-.0330	-.0080	-.1733			
.953			-.0625							
.955		-.0985								
.965	-.1140									
1.000			-.0935		-.0332		-.2624			